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Dairying
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U. S. DAIRY EXPORTS

DOWN IN 1961

Summary

U. S. dairy product exports in 1961 were down from the low level of 1960, as burdensome supplies of milk products in traditional dairy exporting countries continued to be available at very low prices.

On a whole milk equivalent (butterfat) basis, exports totaled about 0.7 billion pounds in 1961, compared with 0.8 billion pounds in 1960. Exports of nearly all whole milk items were off from the previous year, with the sharpest reduction in shipments of dry whole milk, which totaled only 15.6 million pounds, off 34 percent from 1960. In contrast, shipments of nonfat dry milk set a record of 740 million pounds, up 46 percent from 1960. This sharp increase in exports of nonfat has resulted mainly from an expansion of donation shipments by voluntary agencies under Title III of Public Law 480.

Total value of U. S. dairy product exports in 1961, at $134 million, was up somewhat over 1960. The value of nonfat dry milk exports accounted for practically all of the increase, and 54 percent of the total value. Evaporated milk, the second most important export item, accounted for 11 percent of the total value. Infant and dietetic foods and condensed milk, the next most important export items in terms of value, accounted for 10 and 8 percent, respectively.

Indications for 1962

On a whole milk equivalent basis dairy products exports will be up somewhat in 1962, as both butter and cheese have been made available for foreign donation. Since these products were not available for programing at the beginning of the year, however, donation shipments in the current year will be quite limited.

The addition of new food items to voluntary agency feeding programs requires considerable advance planning. With all sizable commercial markets for butter now rigidly controlled, commercial export demand for U.S. butter is negligible. Exports of other whole milk products - condensed, evaporated, and dry whole milk - are expected to equal and perhaps exceed the 1961 level of shipments. It is expected that exports of nonfat dry milk will set a record.

Exports

Total exports of U. S. dairy products on a whole milk equivalent (butterfat) basis amounted to 0.7 billion pounds in 1961 compared with 0.8 billion pounds in 1960.

The decline was due mainly to a sharp drop in shipments of dry whole milk. Exports of this item dropped to 15.6 million pounds, off 7.9 million pounds from 1960. Shipments of dry whole milk to Venezuela, the principal market, dropped sharply as supplies from other sources continued to move in at prices substantially below the level at which U. S. exporters were able to sell.

Exports of butter and cheese were down slightly from the previous year. The principal commercial export markets for butter, the United Kingdom, West Germany, and Italy, continued to follow highly restrictive import policies. Only in West Germany were token quantities of U. S. butter permitted to enter under the quota systems in operation in these 3 markets. Cheese supplies from traditional exporters were available at reasonable prices, and demand for the U. S. product was quite limited.

Shipments of nonfat dry milk reached a record 740 million pounds, up 233 million from 1960.

Although the bulk of this product moved under donation programs, commercial exports were substantially above the 1960 level. Principal commercial outlets for nonfat dry milk were Mexico, the Philippines, and Japan. Large quantities of nonfat were donated to UNICEF and to voluntary relief organizations for welfare uses in such diverse countries as India, Spain, Italy, Brazil, Egypt, and Taiwan.

Imports

The value of U. S. dairy product imports, including casein, in 1961 was $54.4 million, up 9 percent from 1960. Cheese, the principal food item, was up sharply, due mainly to increased imports of a nonquota Colby cheese from New Zealand. This item brought total cheese imports from New Zealand to 15.7 million pounds compared with only 6.5 million in 1960.

Under terms of a special agreement, New Zealand voluntarily agreed to limit shipments of Colby cheese to the United States during the year

July 1, 1962, to June 30, 1963, to 6.72 million pounds, a substantial reduction from the previous year's record shipments.

Imports of cheese into the United States are mainly specialty varieties. Despite the higher level of imports from New Zealand, Italy continued to be the major supplier. Imports from Italy are mostly pecorino, provolone, and provolette. Other important varieties and principal suppliers are Swiss from Switzerland, Edam and Gouda from the Netherlands, and Blue Mold from Denmark.

Casein imports, mostly for industrial uses, totaled 102 million pounds, compared with 92 million in 1960. Argentina and New Zealand were the major suppliers, but sizable quantities were imported from Australia, Poland, and France.

TABLE 1.--DAIRY PRODUCTS: U. S. exports of specified products, by type of shipment, 1959-61

Commodity and Year	Total exports	Public Law 480			Public Law 665 Section 402	Other government programs 2/	Exports exclusive of government programs
		Title I sales for foreign currency	Title II donations	Title III donations 1/			
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
Butter 3/:							
1959	24,027	36	--	--	224	16,663	7,104
1960 4/	6,513	--	--	--	--	294	6,219
1961	5,428	--	--	--	--	389	5,039
Cheese:							
1959	14,455	--	331	--	42	8,693	5,389
1960	9,021	--	--	--	--	1,113	7,908
1961	8,821	--	--	--	--	--	8,821
Canned milk:							
1959 4/	121,098	4,957	--	--	39,202	--	76,939
1960 4/	143,420	--	--	--	41,920	--	101,500
1961	139,187	--	--	--	47,237	--	91,950
Dry whole milk:							
1959	25,111	38	--	--	207	--	24,866
1960	23,513	--	--	--	39	--	23,474
1961	15,609	--	--	--	406	--	15,203
Nonfat dry milk:							
1959	673,593	52,818	11,564	460,486	22,030	86,695	40,000
1960	506,888	22,162	24,746	300,098	2,794	114,173	42,915
1961	740,014	17,749	21,018	569,869	28	74,447	56,903

1/Food for relief and charity, mainly donations.
2/Partially estimated, includes government-to-government sales at nominal prices for restricted uses.
3/Includes butter equivalent of anhydrous milk fat.
4/Revised.

TABLE 2.--BUTTER AND CHEESE: U. S. exports by country of destination, annual 1959-1961

Country of destination	Butter 1/						Cheese					
	Total exports, including shipments under government programs			Exports exclusive of government programs 2/			Total exports, including shipments under government programs			Exports exclusive of government programs 2/		
	1959	1960	1961 3/	1959	1960	1961 3/	1959	1960	1961 3/	1959	1960	1961 3/
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
North America:												
Canada 4/	45	--	7	45	--	7	1,071	1,017	1,235	1,071	1,017	1,235
Mexico	164	57	21	164	57	21	714	403	95	714	403	95
Guatemala	--	--	2	--	--	2	135	101	68	50	101	68
El Salvador	34	--	--	34	--	--	45	58	69	8	58	69
British Honduras	--	--	1	--	--	1	97	122	85	16	122	85
Honduras	16	7	4	16	7	4	6	10	8	--	10	8
Nicaragua	--	--	--	--	--	--	6	5	4	--	5	4
Costa Rica	--	--	--	--	--	--	2	4	4	2	4	4
Panama	14	13	--	14	13	--	830	796	916	256	796	916
Panama Canal Zone	38	--	--	--	--	--	88	121	123	52	121	123
Bahamas	34	59	58	34	59	58	261	238	161	47	238	161
Bermuda	61	56	84	--	56	84	201	178	90	73	175	90
Cuba	1,581	5/369	--	155	5/369	--	505	10	--	412	10	--
Haiti	13	23	--	8	--	--	169	78	100	16	78	100
Jamaica	--	--	--	--	--	--	45	44	31	27	44	31
Leeward & Windward Is.	6	--	1	--	--	1	43	30	22	12	30	22
Netherlands Antilles	22	1	2	22	1	2	88	144	152	31	144	152
South America:												
Colombia	--	--	--	--	--	--	2	--	--	2	--	--
Ecuador	--	--	--	--	--	--	5	1	3	5	1	3
Peru	482	3	17	51	3	17	89	52	78	63	52	78
Chile	86	--	55	47	--	55	4	--	--	4	--	--
Venezuela	224	53	6	224	53	6	3,042	3,377	3,860	2,085	3,377	3,860
Brazil	--	--	--	--	--	--	--	--	--	--	--	--
Europe:												
United Kingdom	10,937	--	--	--	--	--	5,231	1,781	933	197	680	933
Spain	--	--	--	--	--	--	--	--	--	--	--	--
Portugal	218	--	--	--	--	--	--	--	--	--	--	--
France	--	--	--	--	--	--	--	6	5	--	3	5
Belgium	--	3	--	--	3	--	521	94	44	--	94	44
Germany, West	4,071	570	333	4,071	570	333	--	--	5	--	--	5
Italy	3,122	--	--	--	--	--	22	--	1	--	--	1
Poland	--	--	--	--	--	--	--	--	--	--	--	--
Austria	--	--	--	--	--	--	--	--	--	--	--	--
Trieste	--	--	--	--	--	--	--	--	--	--	--	--
Yugoslavia	--	--	--	--	--	--	--	--	--	--	--	--
Greece	--	--	--	--	--	--	575	3	--	127	3	--
Asia:												
Turkey	5	2	2	--	2	2	1	--	1	1	--	1
Israel	--	--	--	--	--	--	1	4	2	1	4	2
Jordan	--	--	--	--	--	--	3	1	171	3	1	171
Iran	--	15	38	--	15	38	4	15	8	2	15	8
Pakistan	9	6	4	9	6	4	16	10	3	6	10	3
India	2	--	--	2	--	--	4	3	2	4	3	2
Thailand	36	33	249	--	33	249	--	1	3	--	1	3
Indochina (Viatnam)	224	5	29	--	5	29	42	17	4	--	17	4
Hong Kong	204	109	31	16	109	31	5	13	11	5	13	11
Taiwan	61	141	85	61	141	85	--	--	--	--	--	--
Korea	808	2,470	2,208	808	2,470	2,208	--	--	--	--	--	--
Japan	1,188	2,128	2,012	1,188	2,128	2,012	46	33	73	46	33	73
Philippines	115	334	8	--	77	8	28	63	86	28	63	86
Africa:												
Morocco	135	31	112	135	31	112	--	--	--	--	--	--
Liberia	6	11	7	--	11	7	9	6	22	--	6	22
Tunisia	--	--	--	--	--	--	331	--	--	--	--	--
Libya	--	--	--	--	--	--	5	10	17	5	10	17
Egypt	--	--	2	--	--	2	18	10	--	18	10	--
All others	66	14	50	--	--	--	145	162	326	--	156	326
Total	24,027	2/6,513	5,428	7,104	5/6,219	6/5,428	14,455	9,021	8,821	5,389	7,908	8,821

1/ Includes butter equivalent of anhydrous milk fat. 2/ Partially estimated. 3/ Preliminary. 4/ Includes Newfoundland and Labrador. 5/ Revised.
6/ Includes small quantity shipped under Barter Program.

TABLE 3.--DRIED MILK: U. S. exports by country of destination, annual 1959-61

Country of Destination	Nonfat dry milk						Dried Whole Milk					
	Total exports, including shipments under government programs 1/			Exports exclusive of government programs 2/			Total exports, including shipments under government programs 1/			Exports exclusive of government programs 2/		
	1959	1960	1961 3/	1959	1960	1961 3/	1959	1960	1961 3/	1959	1960	1961 3/
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
North America:												
Canada	81	66	56	81	66	56	335	384	435	335	384	435
Mexico	22,403	19,666	31,831	21,172	19,015	23,637	274	169	176	274	169	176
Guatemala	1,940	1,451	2,467	3	--	--	85	37	20	85	37	20
El Salvador	1,888	636	358	250	376	144	25	13	5	25	13	5
British Honduras	603	162	888	--	--	--	--	1	--	--	1	--
Honduras	807	985	1,282	178	--	--	10	14	5	10	14	5
Nicaragua	9	41	212	4	1	2	6	13	7	6	13	7
Costa Rica	65	26	45	--	26	45	7	--	--	7	--	--
Panama Republic	1,545	1,402	1,758	25	34	--	71	48	4	71	48	4
Panama Canal Zone	187	31	--	107	--	--	1	59	--	1	59	--
Bahamas	308	245	399	248	94	149	47	12	8	47	12	8
Bermuda	379	420	418	209	333	418	--	7	62	--	7	62
Cuba	2,386	225	--	108	25	--	45	13	--	45	13	--
Dominican Republic	50	12	152	47	12	98	10	2	2	10	2	2
Haiti	4,479	2,039	2,778	14	--	--	5	1	2	5	1	2
Jamaica	1,077	2,169	2,363	13	--	397	4	1	11	4	1	11
Leeward & Windward Is.	1,561	985	1,885	10	--	--	--	3	2	--	3	2
Netherland Antilles	152	115	163	104	115	162	57	18	33	57	18	33
South America:												
Colombia	10,152	10,985	25,421	--	--	124	--	--	5	--	--	5
Ecuador	1,753	1,257	5,576	13	--	4	28	23	3	28	23	3
Peru	6,513	3,537	9,986	149	--	100	203	134	215	203	134	215
Chile	25,450	11,471	16,666	10	--	--	26	51	4	26	51	4
Venezuela	4,779	1,539	3,016	177	1,445	421	21,290	21,384	12,649	21,290	21,384	12,649
Brazil	12,074	21,473	28,554	--	--	--	--	1	1	--	1	1
Bolivia	776	468	1,905	10	--	--	5	1	1	5	1	1
Paraguay	660	849	5,508	--	--	--	--	--	--	--	--	--
Argentina	468	842	41	--	397	41	--	--	--	--	--	--
Uruguay	1,021	491	1,427	24	--	169	1	--	--	1	--	--
British Guiana	641	371	652	144	47	--	4	--	1	4	--	1
Surinam	613	306	743	149	--	--	--	--	--	12	--	12
Trinidad & Tobago	687	314	504	--	--	--	--	2	26	--	2	26
Europe:												
United Kingdom	558	--	90	--	--	90	--	--	3	--	--	3
Spain	43,634	34,165	35,074	851	--	--	--	--	--	--	--	--
Portugal	11,686	3,827	15,330	--	--	8	--	4	4	--	4	4
Netherlands	16,083	2,148	1,676	--	--	--	--	24	--	--	24	--
Belgium	14,594	302	330	634	302	130	36	--	--	36	--	--
France	1,197	191	144	913	91	1	5	4	1	5	4	1
Denmark	2,221	2	8	--	2	8	--	--	--	--	--	--
Germany, West	22,229	5,357	2,067	1,924	--	57	2	1	3	2	1	3
Italy	25,097	22,681	39,533	--	--	--	--	--	293	--	--	293
Austria	1,927	1,448	111	--	--	--	--	--	--	--	--	--
Poland	16,220	20,404	13,680	--	--	--	--	--	--	--	--	--
Trieste	881	160	411	--	--	--	--	--	--	--	--	--
Yugoslavia	34,901	37,519	40,389	--	--	--	--	--	--	--	--	--
Greece	7,202	4,138	5,195	91	5	4	--	--	--	--	--	--
Sweden	1,316	4	62	--	4	62	--	8	7	--	8	7
Asia:												
Turkey	5,561	3,453	13,520	500	--	--	11	17	3	11	17	3
Syria	1,966	952	966	242	--	166	--	86	--	--	86	--
Lebanon	4,597	2,148	5,265	128	--	--	7	1	8	7	1	8
Israel	24,031	868	15,032	--	65	--	3	--	3	3	--	3
Jordan	316	2,337	2,696	2	--	--	--	--	--	--	--	--
Iraq	1,250	1,758	2,686	--	--	--	7	4	--	7	4	--
Arabian States	221	207	154	27	89	154	37	25	24	37	25	24
Iran	2,456	860	4,328	192	--	200	31	28	51	31	28	51
Afghanistan	421	1,144	479	--	--	--	4	--	--	4	--	--
Pakistan	3,051	11,513	9,590	--	--	--	1	24	6	1	24	6
India	91,487	37,154	77,395	--	--	--	91	30	--	91	30	38
Ceylon	9,892	7,928	6,379	--	--	--	4	9	15	4	9	15
Burma	2,250	344	2,260	--	--	--	--	--	--	--	--	--
Malaya	2,225	999	838	1,004	--	--	15	1	--	15	1	--
Thailand	682	229	959	108	58	228	8	8	5	8	8	5
Indochina (Vietnam)	8,050	2,811	5,789	--	--	--	207	192	479	--	153	225
Hong Kong	5,376	5,029	7,342	181	650	1,000	4	17	9	4	17	9
Taiwan	22,397	7,622	33,773	117	--	--	89	43	20	51	43	--
Korea	36,583	13,428	17,263	4/3,060	4/3,400	4/6,000	56	34	161	56	34	161
Japan	46,200	114,060	59,043	426	--	6,500	7	18	318	7	18	318
Indonesia	7,528	3,231	13,442	--	--	--	--	3	3	--	3	3
Philippines	48,356	36,451	58,578	1,097	15,594	14,000	1,084	421	94	1,084	421	94
Africa:												
Morocco	4,510	868	5,377	495	--	--	--	1	--	--	1	--
French West Africa	514	815	2,963	--	--	--	--	--	--	--	--	--
British West Africa	204	1,003	359	--	--	--	--	--	--	--	--	--
Liberia	1,200	731	955	4	53	45	15	10	21	15	10	21
Algeria	2,662	1,403	6,462	--	--	--	--	--	--	--	--	--
Ghana	392	1,285	2,952	2	--	--	--	--	2	--	--	2
Nigeria	305	518	630	2	--	--	6	4	--	6	4	--
Tunisia	1,027	2,110	4,477	--	--	--	--	--	--	--	--	--
Libya	1,774	613	838	233	34	8	17	15	1	17	15	1
Republic of Congo	270	2,848	8,894	9	--	--	11	6	1	11	6	1
Rhodesia	66	44	110	51	44	110	12	2	--	12	2	--
Republic of South Africa	100	417	609	--	363	521	5	--	--	5	--	--
Egypt	21,375	17,232	35,650	97	--	--	707	--	7	707	--	7
Ethiopia	1,320	568	1,857	--	--	--	--	1	2	--	1	2
British East Africa	1,636	508	14,022	321	114	55	--	1	--	--	1	--
All others	7,110	5,053	14,928	4,064	61	1,589	91	80	338	91	80	206
Grand total	673,593	506,888	740,014	40,000	42,915	56,903	25,111	23,513	15,609	24,866	23,474	15,203

1/ Grand total and totals for several countries adjusted by FAS on basis of reported export liftings by programs.
2/ Partially estimated.
3/ Preliminary.
4/ Apparently includes milk imported commercially for use on U. S. Service Installations.

TABLE 4.--CANNED MILK: U. S. exports by country of destination, annual 1959 - 1961

Country of destination	Evaporated milk						Condensed milk					
	Total exports, including shipments under government programs			Exports exclusive of government programs 1/			Total exports, including shipments under government programs			Exports exclusive of government programs 1/		
	1959	1960	1961 2/	1959	1960	1961 2/	1959	1960	1961 2/	1959	1960	1961 2/
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
North America:												
Canada 3/	73	44	48	69	39	41	30	140	184	30	140	184
Mexico	18,614	18,873	21,336	18,607	18,870	21,311	4	25	126	4	25	126
Nicaragua	415	338	306	415	338	306	--	--	--	--	--	--
Costa Rica	97	82	24	97	82	24	4	--	3	4	--	3
Honduras	61	47	44	61	47	17	--	--	--	--	--	--
Panama	--	13	4	--	13	4	--	--	5	--	--	5
Bahamas	249	44	92	249	44	79	--	--	117	--	--	117
Cuba	7,684	4,788	--	7,675	4,788	--	41	--	--	41	--	--
Jamaica	117	130	81	117	123	74	--	2	2	--	2	2
South America:												
Venezuela	236	235	87	236	235	87	53	9	161	53	9	161
Colombia	--	188	248	--	19	29	--	--	--	--	--	--
Peru	4	10	4	4	10	4	--	--	35	--	--	35
Europe:												
Belgium	--	--	--	--	--	--	206	170	320	206	170	320
Greece	4/4,960	12	--	--	--	--	--	--	--	--	--	--
Asia:												
Arabian states	106	79	101	106	79	101	26	247	--	26	247	--
Iran	--	95	45	--	95	45	--	3	--	--	3	--
Pakistan	30	44	28	21	44	28	4	1	1	4	1	1
India	--	19	19	17	19	19	443	--	--	443	--	--
Malaya	--	336	--	--	336	--	105	257	33	105	257	33
Hong Korg	11	287	--	11	283	--	--	8	25	--	8	25
Vietnam	267	5/905	5/ 498	267	--	--	5/34,604	5/37,843	5/42,625	--	--	--
Cambodia	--	--	--	--	--	--	5/ 2,102	5/ 2,871	5/ 2,980	--	--	--
Philippines	49,398	74,053	67,186	46,984	74,007	67,186	404	53	60	404	53	60
Korea	112	54	41	95	--	--	--	--	--	--	--	--
Japan	57	98	120	38	98	120	--	--	--	--	--	--
U.S. Trust Territories	347	321	292	347	321	292	--	1	19	--	1	19
Africa:												
Liberia	12	6	22	12	6	18	--	6	11	--	6	11
All others	126	422	1,633	95	410	842	91	262	221	91	262	221
Grand Total	82,931	101,523	92,259	75,528	100,306	90,627	38,117	41,897	46,928	1,411	1,184	1,323

1/ Partially estimated.
2/ Preliminary.
3/ Includes Newfoundland and Labrador.
4/ All under Title I, Public Law 480.
5/ All under Section 402, Public Law 665

Growth Through Agricultural Progress

TABLE 5.--DAIRY PRODUCTS (malted milk compounds, infants and dietetic foods): U. S. exports by country of destination, annual 1959-61

Country of destination	Malted milk compounds and mixes			Infant and dietetic foods (milk base)		
	1959	1960	1961	1959	1960	1961
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
North America:						
Canada	57	54	38	94	444	1,599
Mexico	59	89	85	363	320	567
Guatemala	48	35	48	312	355	466
El Salvador	21	11	15	241	200	233
Honduras	24	21	15	280	221	196
Nicaragua	3	12	7	179	192	201
Costa Rica	10	5	1	238	271	308
Panama, Republic of	76	98	108	527	733	607
Panama, Canal Zone	3	3	3	12	2	19
Cuba	262	127	---	331	156	---
Dominican Republic	36	27	14	250	150	117
Haiti	12	9	14	65	80	86
Netherlands Antilles	115	103	83	111	95	108
South America:						
Colombia	4	---	---	177	344	95
Ecuador	5	20	15	277	404	328
Peru	---	2	5	247	201	285
Bolivia	8	4	10	60	64	54
Chile	9	1	2	2	---	47
Venezuela	51	62	81	5,535	5,990	5,545
Uruguay	5	---	---	41	56	65
Argentina	---	---	---	---	9	---
Europe:						
United Kingdom	---	---	1	1	13	60
Belgium	66	43	56	45	78	274
Germany, West	14	6	14	138	12	32
Italy	---	---	---	---	---	415
Asia:						
Lebanon	3	3	---	39	86	126
Arabian States	7	2	3	25	130	121
Iraq	---	5	32	123	234	177
Iran	4	4	5	143	277	160
India	---	7	1	53	60	44
Burma	153	99	---	6	---	3
Singapore	4	55	13	77	161	175
Ceylon	647	1,120	428	76	167	185
British Malaya	15	32	3	121	82	185
Thailand	---	10	---	251	256	309
South Vietnam	119	149	82	146	141	302
Hong Kong	23	49	41	244	124	251
Taiwan	---	1	1	288	270	336
Indonesia	---	---	---	175	420	168
Philippines, Republic of	1,135	440	1,390	2,067	1,997	3,191
Africa:						
Egypt	---	---	---	22	296	397
Union of South Africa	---	3	8	631	696	465
Mozambique	23	29	11	6	---	2
All others	154	185	296	250	501	830
Total	3,175	2,925	2,929	14,269	16,288	19,134

TABLE 6.--DAIRY PRODUCTS: U. S. exports by category, quantity, and value, 1959-61 1/

Item	Quantity			Value 2/		
	1959	1960	1961 4/	1959	1960	1961 4/
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 dollars	1,000 dollars	1,000 dollars
Milk and cream, fresh	4,323	5,858	6,493	806	933	994
Butter 5/	24,027	3/6,513	5,428	11,780	3/5,131	4,359
Cheese, all types	6/14,455	9,021	8,821	5,522	4,141	4,616
Milk, processed:						
Condensed, sweetened	38,308	41,897	46,928	8,557	9,824	11,078
Evaporated	82,981	3/101,526	92,259	12,544	3/16,223	14,642
Dried whole milk	25,111	23,513	15,609	13,398	14,031	9,655
Nonfat dry milk	673,593	506,888	740,014	67,982	3/52,564	72,518
Milk products, processed:						
Infants' and dietetics', chiefly milk base	14,269	3/ 16,288	19,134	9,784	11,882	12,980
Malted milk compounds and mixtures	3,175	2,925	2,929	1,632	1,384	1,604
Ice Cream powder mixes	611	618	455	260	243	219
Casein (inedible) 7/	128	141	174	45	42	150
Dairy products, n.e.c	6,362	3,840	6,666	801	659	1,192
Total Value	--	--	--	133,111	3/117,057	134,007
	Million pounds	Million pounds	Million pounds			
Milk equivalent of total exports	3/1,171	3/ 791	716	--	--	--

1/ Includes shipments for relief and charity under Public Law 480.
2/ Based on United States Department of Commerce data.
3/ Revised.
4/ Preliminary.
5/ Includes butter equivalent of anhydrous milk fat.
6/ Shipments of cheese under Title III (donations for relief and charity) of Public Law 480 were discontinued.
7/ Not included with dairy products in Census classification.

TABLE 7.--DAIRY PRODUCTS: U. S. imports by category, quantity, and value, 1959-61 1/

Item	Quantity			Value		
	1959	1960	1961 1/	1959	1960	1961 1/
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
Condensed, sweetened	7	-	1,162	1	--	63
Condensed, n.e.s	3	8	1	negl.	1	negl.
Whole milk, dried	21	6	3	12	1	1
Skimmed milk, dried	2,054	1,340	2,159	196	111	172
Buttermilk, dried	734	357	484	56	37	40
Malted milk compounds, dried	7	5	21	3	2	6
Butter	744	1,044	861	378	498	391
Cheese, all	63,857	63,147	75,817	30,848	31,297	35,599
Swiss	11,495	9,935	11,203	6,029	5,429	6,079
Gruyere	4,423	4,751	4,627	2,495	2,513	2,630
Romano	1,679	1,519	1,989	517	486	614
Pecorino 2/	13,992	13,928	14,877	7,940	8,369	8,789
Reggiano	1,638	1,035	1,258	684	527	596
Parmesane	411	395	489	244	247	300
Provoloni and provolette	4,062	4,025	4,031	2,209	2,248	2,283
Roquefort	2,275	2,094	2,271	1,880	1,726	1,882
Cheddar	2,154	3,212	1,677	615	956	538
Blue mold	4,184	4,186	3,821	1,817	1,918	1,815
Edam and gouda	5,159	5,994	7,329	2,072	2,492	3,096
Bryndza	53	65	32	15	24	8
Sbrinz	27	10	3	8	4	1
All other cheese including processed, not listed above	12,305	11,998	22,210	4,323	4,358	6,968
Casein, dried	94,459	92,155	101,827	17,984	17,947	18,063
Lactose, dried	729	553	611	94	67	77
Total value	--	--	--	49,572	49,961	54,412

1/ Preliminary.

2/ Pecorino cheese, sheep's milk cheese, including small amounts not suitable for grating.

TABLE 8.--BUTTER AND CHEESE: Imports by country of origin, annual 1959-61

Country of origin	Butter			All cheese		
	1959	1960	1961 1/	1959	1960	1961 1/
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
North America:						
Canada	--	--	--	445	573	575
South America:						
Argentina	--	2	119	3,286	2,453	3,008
Brazil	--	--	--	9	5	--
Europe:						
Denmark	214	177	201	7,837	8,357	9,047
Netherlands	4	7	130	4,996	5,089	6,026
United Kingdom	1	4	2/	113	148	83
Portugal	--	--	--	37	51	53
Sweden	--	299	3	205	110	88
Switzerland	--	--	--	11,589	10,705	11,169
Yugoslavia	--	--	--	352	327	340
Austria	--	--	--	648	772	1,078
Belgium	--	--	--	69	58	6
Finland	--	--	--	2,314	1,783	1,836
France	--	--	--	2,614	2,555	2,857
Germany, West	--	--	--	507	488	587
Greece	--	--	--	155	259	392
Ireland	--	--	--	48	46	38
Italy	--	--	--	22,864	21,264	21,022
Norway	--	--	--	638	711	779
Bulgaria	--	--	--	190	600	689
Czechoslovakia	--	--	--	70	55	32
Oceania:						
Australia	17	77	3	7	--	128
New Zealand	508	478	405	4,825	6,496	15,728
Others	--	--	--	40	242	256
Total	744	1,044	861	63,858	63,147	75,817

1/ Preliminary.
2/ Less than 500 pounds.

TABLE 9.--CHEESE: Imports by variety and country of origin, annual 1957 - 1961 1/

Variety and country of origin	1957	1958	1959	1960	1961 1/
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
Cheddar:					
Canada 2/	458	456	395	512	528
Denmark	--	5	1	5	1
Sweden	4	1	1	7	6
New Zealand	1,770	2,531	1,733	2,752	1,123
United Kingdom	--	29	17	--	1
Others	11	--	7	1	18
Total	2,243	3,022	2,154	3,277	1,677
Swiss 3/:					
Austria	443	455	619	752	1,078
Belgium - Luxembourg	116	25	17	47	4
Denmark	598	725	901	1,407	1,792
Finland	797	1,139	2,227	1,742	1,811
France	--	1	5	6	5
Germany, West	126	46	157	67	111
Italy	109	78	6	26	102
Netherlands	53	356	522	68	188
Norway	22	--	1	--	11
Sweden	--	9	--	31	3
Switzerland	10,501	10,176	11,463	10,439	10,657
Others	--	--	--	100	68
Total	12,765	13,010	15,918	14,685	15,830
Romano:					
Italy	--	22	56	50	22
Argentina	1,141	950	1,623	1,475	1,967
Others	--	11	--	1	--
Total	1,141	983	1,679	1,526	1,989
Pecorino:					
Bulgaria	--	--	--	270	642
Greece	128	128	51	139	229
Italy	11,832	14,031	13,652	13,325	13,767
Yugoslavia	104	133	167	81	130
Argentina	175	171	101	61	57
Others	--	272	21	53	52
Total	42	14,735	13,992	13,929	14,877

See footnotes at end of table

TABLE 9.--CHEESE: Imports by variety and country of origin, annual 1957-1961 continued

Variety and country of origin	1957	1958	1959	1960	1961 1/
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
Reggiano:					
Italy	496	420	508	607	651
Argentina	934	643	1,107	431	597
Others	--	--	23	--	10
Total	1,430	1,063	1,638	1,038	1,258
Parmesan:					
Italy	343	414	392	394	489
Argentina	--	38	19	--	--
Total	343	452	411	394	489
Provolone and Provolette:					
Italy	3,672	3,599	4,026	4,011	4,031
Argentina	9	6	36	11	--
Others	--	--	--	3	--
Total	3,681	3,605	4,062	4,025	4,031
Roquefort:					
France	2,097	2,036	2,264	2,092	2,271
Others	--	--	11	3	--
Total	2,097	2,036	2,275	2,095	2,271
Blue Mold:					
Denmark	3,452	3,785	3,917	3,947	3,546
France	4	4	18	12	7
Italy	100	131	115	145	144
Norway	10	9	53	26	21
Sweden	14	43	21	11	9
United Kingdom	11	14	13	24	27
Switzerland	--	--	--	7	--
Germany, West	3	--	47	7	54
Others	2	7	--	20	13
Total	3,596	3,993	4,184	4,199	3,821
Edam and Gouda:					
Denmark	246	355	430	625	1,053
Netherlands	3,973	3,490	4,320	4,869	5,676
Norway	140	240	160	214	227
Switzerland	6	34	1	4	--
Argentina	180	190	176	225	286
Sweden	15	16	35	31	29
Portugal	3	4	4	5	6
Italy	7	2	--	7	45
Others	11	14	33	14	7
Total	4,581	4,345	5,159	5,994	7,329

TABLE 9.--CHEESE: Imports by variety and country of origin, annual 1957 - 1961 continued

Variety and country of origin	1957	1958	1959	1960	1961 1/
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
Other cheeses:					
Canada	25	40	49	61	47
Belgium-Luxembourg	2	--	50	6	2
Bulgaria	12	20	186	330	47
Denmark	1,373	2,114	2,588	2,369	2,655
Finland	4	--	87	40	25
Germany, West	229	248	303	413	422
Greece	217	79	104	120	163
Italy	3,449	3,787	4,086	2,700	1,771
Netherlands	176	193	154	152	162
Norway	459	504	424	471	520
Portugal	36	37	33	46	47
Sweden	74	83	148	29	41
Switzerland	148	107	124	252	512
United Kingdom	15	89	61	112	55
Yugoslavia	156	178	185	246	210
Argentina	136	122	224	250	101
New Zealand	7	540	3,092	3,744	14,605
France	139	252	326	428	574
Australia	--	--	--	--	128
Others	62	100	161	--	158
Total	6,719	8,493	12,385	11,985	22,245

1/ Preliminary.
2/ Includes Newfoundland and Labrador.
3/ Includes Ementhaler with eye-formation and Gruyere process cheese.

TABLE 10.--CASEIN: Imports by country of origin, annual 1957-1961

Country of origin	1957	1958	1959	1960	1961 1/
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
Canada 2/	1,074	648	840	1,920	6,744
Azores	314	404	308	462	299
Denmark	10	222	55	11	2
France	1,128	1,209	388	1,281	6,393
Germany, West	--	778	1,263	1,932	1,592
Netherlands	1,024	2,244	2,703	2,524	1,599
Norway	1,163	573	669	412	686
Poland	--	7,490	8,976	7,781	12,493
Portugal	221	139	176	--	38
U.S.S.R.	--	--	--	--	441
Argentina	55,673	49,021	44,926	48,345	38,810
Brazil	192	241	1,371	197	92
Uruguay	923	989	771	308	2,151
Australia	4,152	13,567	10,820	8,698	12,048
New Zealand	8,298	13,560	21,152	18,101	18,273
Others	432	180	41	181	167
Total	74,604	91,265	94,459	92,153	101,828

1/ Preliminary.
2/ Includes Newfoundland and Labrador.

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Dairying
FD 8-62
November 1962

WORLD OUTPUT OF DAIRY PRODUCTS

INCREASED IN FIRST HALF OF 1962

Production of factory dairy products (milk equivalent basis) in reporting countries during the first half of calendar 1962 was up 4 percent over the comparable period of 1961. Output of butter and dried milk increased, canned milk declined, and cheese remained unchanged.

Milk production was up in almost all of the major producing countries. In Western Europe, it surpassed 1961 in all countries except Denmark. It was up in West Germany in the first quarter, due to higher yields and increased cow numbers, but in the second quarter, dropped to the level of the earlier year as a result of unfavorable feeding conditions and higher prices for oilcakes and meals.

The increased production in the Netherlands and the United Kingdom was attributed to higher numbers; in Sweden, to a larger feed crop.

Output was up in Australia, despite unfavorable conditions in the second quarter. In New Zealand, widespread dryness, beginning in October 1961 and continuing through February, reduced first quarter milk production, and output for the 6-month period was just below comparable 1961. Production in Canada and the United States rose slightly above a year ago.

Creamery butter production for the first half of 1962 increased 6 percent over comparable 1961. In Western Europe, the gain was 5 percent, reflecting the larger milk supplies available for manufacturing. Among the countries reporting considerably higher butter production were France, West Germany, and Sweden.

This Circular contains more detailed information than the summary of similar title published in the Monthly Supplement of Foreign Crops and Markets of October 25, 1962.

In the Netherlands, deliveries were up, and since there was no change in the consumption of milk, larger quantities were available for dairy products; much milk went into butter.

In the United Kingdom, butter production absorbed most of the larger volume of milk available for processing into dairy products.

Output in Ireland was maintained at the 1961 level, despite a sharp decline in the second quarter when, due to the limited market for butter in this period, more milk went into other products.

Production in Australia was above the earlier year, a substantial increase in the first quarter being sufficient to offset the considerably smaller output of the second quarter, when unfavorable conditions reduced milk production. There was somewhat less milk for butter in New Zealand.

In Canada and the United States, where more milk was used in manufacturing than a year earlier, butter production rose.

Factory cheese production in reporting countries was at the 1961 level. In Western Europe, output was up more than 2 percent. The largest gain in that area was in France. In the Netherlands and the United Kingdom also, the quantity of cheese manufactured in January-June 1962 exceeded that of the corresponding period of 1961.

Output was down sharply in Denmark, where higher stocks at the beginning of the year and resulting lower prices discouraged production. In Sweden, more milk went into other products, and less cheese was produced.

In Australia, due to favorable United Kingdom prices, considerably more milk became available for cheese production. Output in New Zealand was well above 1961.

Production was down in Canada, due to shifts in use of supplies. In the United States, less milk went into cheese than a year ago.

Canned milk (condensed and evaporated) production was down 5 percent. Output of total canned milk in West Germany was well above 1961. In France, also, it was up from the earlier year. A substantial rise in the output of the more heavily produced evaporated milk accounted for much of the increase in total canned milk production in the Netherlands.

Production was down in the United Kingdom and Australia, and in Canada and the United States it was considerably below 1961. The decline in the 2 latter countries was due almost entirely to the smaller output of evaporated milk, which makes up most canned milk production.

Output of dried milk, mainly nonfat dry milk, increased 9 percent. Production in all the reporting countries of Western Europe was higher than a year ago. In Australia, production of both types of dried milk was down.

FACTORY DAIRY PRODUCTS: Output in principal producing and exporting countries, January-June 1962 (preliminary) and comparisons with January-June 1961

Country	1961			1962			January-June 1962 compared with January-June 1961
	January-March	April-June	Total, January-June	January-March	April-June	Total, January-June	
	Thousand pounds	Thousand pounds	Thousand pounds	Thousand pounds	Thousand pounds	Thousand pounds	Percent
BUTTER							
Canada	44,580	113,288	157,868	45,792	116,265	162,057	103
United States	366,437	441,109	807,546	427,535	466,810	894,345	111
Denmark	83,554	111,553	195,107	84,877	113,978	198,855	102
Finland	41,010	60,697	101,707	---	---	---	---
France	98,876	146,052	244,928	104,968	160,360	265,328	108
Germany, West	221,681	281,141	502,822	234,058	286,578	520,636	104
Ireland	6,644	39,628	46,272	8,118	38,192	46,310	100
Netherlands	33,803	77,631	111,434	36,153	77,335	113,488	102
Norway	6,974	16,430	23,404	7,809	16,219	24,028	103
Sweden	32,733	56,876	89,609	40,069	62,973	103,042	115
Switzerland	14,449	22,167	36,616	16,352	---	---	---
United Kingdom	21,728	38,348	60,076	28,672	43,008	71,680	119
Argentina	44,130	25,379	69,509	36,087	---	---	---
South Africa, Rep. of	30,734	22,736	53,470	---	---	---	---
Australia	103,360	55,883	159,243	118,145	51,204	169,349	106
New Zealand	140,573	37,767	178,340	127,237	41,720	168,957	94
CHEESE							
Canada 1/	11,287	38,335	49,622	12,768	35,038	47,806	96
United States	375,880	500,390	876,270	362,030	476,190	838,220	96
Denmark	56,658	87,744	144,402	51,809	82,452	134,261	93
France	168,489	207,129	375,618	182,239	214,955	397,194	106
Netherlands	83,014	145,244	228,258	85,803	149,073	234,876	103
Norway	18,556	30,579	49,135	20,648	31,295	51,943	106
Sweden	23,128	41,509	64,637	25,802	37,837	63,639	98
Switzerland	27,752	43,636	71,388	28,411	---	---	---
United Kingdom 2/	52,416	96,096	148,512	56,896	96,768	153,664	103
Argentina	78,548	61,496	140.044	87,602	---	---	---
South Africa, Rep. of	9,038	7,714	16,752	---	---	---	---
Australia	23,782	15,693	39,475	28,224	15,846	44,070	112
New Zealand	65,446	21,583	87,029	79,473	21,327	100,800	116
CANNED MILK							
Canada 3/	60,085	115,714	175,799	51,502	103,603	155,105	88
United States 4/	471,580	744,820	1,216,400	399,440	638,730	1,038,170	85
France	38,294	87,553	125,847	54,271	87,673	141,944	113
Germany, West	177,415	264,973	442,388	232,656	269,464	502,120	114
Netherlands	181,439	255,197	436,636	202,783	258,882	461,665	106
United Kingdom	80,640	166,208	246,848	76,160	152,096	228,256	92
Argentina	7,438	4,462	11,900	3,591	---	---	---
Australia 5/	40,572	19,871	60,443	38,208	14,629	52,837	87
DRIED MILK 6/							
Canada 7/	32,458	78,735	111,193	30,011	68,382	98,393	88
United States 7/	505,310	689,117	1,194,427	588,400	31,000	1,319,400	110
France	43,602	69,577	113,179	49,992	96,707	146,699	130
Germany, West	47,597	19,654	67,251	49,689	20,867	70,556	105
Netherlands	27,648	108,012	135,660	31,735	120,215	151,950	112
Sweden	8,522	23,314	31,836	13,946	29,357	43,303	136
Switzerland	4,973	6,556	11,529	---	---	---	---
United Kingdom	42,560	75,936	118,496	50,176	74,816	124,992	105
Argentina	11,116	4,950	16,066	9,621	---	---	---
Australia	29,101	16,309	45,410	28,530	12,565	41,095	99
New Zealand 8/	21,226	4,088	25,314	15,630	4,064	19,694	78

1/ Cheddar cheese only. 2/ Total cheese production. 3/ Both bulk and case goods. 4/ Evaporated whole and condensed whole case goods only. 5/ Includes mixtures of full cream and skimmed milk, mixtures of full cream, skim and buttermilk, and "coffee and milk." 6/ Dried whole milk and nonfat solids production. 7/ Includes dried milk for animal feeding. 8/ Nonfat dry milk production only.

Foreign Agricultural Service. Compiled from reports of U. S. Agricultural Attaches and Foreign Service Officers, official government statistics, results of office research, and related information.

New Zealand's production of nonfat dry milk - the only type reported - continued to decline in the first half of 1962. Total dried milk production dropped in Canada, but rose in the United States.

CURRENT CONDITIONS ABROAD

Sweden: The relatively larger milk production during the summer months is attributed to last year's hay crop and favorable grazing conditions in 1962.

The Netherlands: Production in the third quarter may be up due to adequate rainfall and somewhat warmer weather in July and August which improved pastures.

France: A drought that began in June and continued through the summer throughout most of the country is expected to reduce milk production.

Denmark: Milk production continues to decline, due to adverse weather conditions.

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WORLD MILK PRODUCTION
UP 1 PERCENT IN 1962

An increase of about 1 percent in world milk production in 1962 is indicated on the basis of preliminary forecasts for 34 countries which normally account for about 85 percent of the world's production. Output in these countries is expected to total approximately 620 billion pounds of cow's milk, compared with 611 billion pounds in 1961 and 597 billion pounds in 1960.

Greater production is expected in all but 7 countries, with 6 others maintaining output at the 1961 level. In Western Europe, which produces more than one-third of world cow's milk, conditions were generally favorable throughout most of the year, and output probably will increase about 1 percent. In West Germany, second highest dairy producing country in that area, milk production for the first time may reach 45 billion pounds. This gain is indicated by the increase in the number of cows milked and also by an upward trend in yields.

Somewhat larger cow numbers in the Netherlands should result in higher production, presently estimated at 16 billion pounds, an increase of 4 percent.

In Ireland, a falling off in the latter half of the year is indicated, due to dry weather and short pastures. However, it is expected that this decline will be more than offset by the alltime high production of the first 6 months. Output for the entire year probably will be about 4 percent above 1961.

In the United Kingdom, cow numbers are somewhat higher, and more milk is expected to be produced in 1962 than a year ago.

Among other countries in which milk production for 1962 should be above the level of the preceding year are Belgium, Switzerland, Austria, Norway, and Finland, where an increase of 1 to 3 percent is foreseen.

This Circular contains more detailed information than the summary of similar title published in the Monthly Supplement of Foreign Crops and Markets of October 25, 1962.

Lower milk production is expected in Denmark, since hay and coarse grain crops are down.

Pastures and forage crops in some areas of Italy have suffered from persistent dryness, compelling some farmers to sell their animals. Milk production for this year probably will be down about 2 percent from 1961.

In France, drought which began in June and continued through the summer throughout most of the country probably slowed down milk production. There has also been some forced marketing of cattle due to poor pastures and lack of feed.

Sweden's production may approximate 1961, in spite of a none-too-good feed crop and a reduction in cow numbers because of slaughterings.

In Eastern Europe, present indications are that milk production in 1962 probably will exceed 1961 by about 1 percent, with only East Germany and Hungary showing a decline.

Production in the Southern Hemisphere in 1962 is expected to be up approximately 1 percent. In most countries in that area, output is higher than a year ago, the gain being attributed to the generally good condition of pastures and stock, and, in some countries, to larger numbers of dairy cows. Among these was Australia, where some increase in numbers and favorable conditions over much of the dairying season are expected to result in a rise in milk production over last year.

In New Zealand, production for the year ending June 30, 1962, was 3 percent above the preceding year. The increase is attributed to a rise in the number of milk cows, as dairying was adversely affected by persistent dry weather throughout the months of peak production.

Milk production in Argentina is expected to decline, reportedly due to far below normal yield per cow. In Chile, drought has affected both pastures and cow numbers, and production may be the lowest in years. In Venezuela, an outbreak of foot-and-mouth disease in Zulia, the principal dairy area, has curtailed milk production. The present outlook is for no larger production than in 1961.

A gain of 1 percent is indicated in North American production. In Canada, output is expected to continue an upward trend. Output in Mexico probably will rise substantially, and production in the United States will set a record.

Compared with 1951-55, world milk production in 1962 may be up by 25 percent. In Western Europe, output is expected to be about 24 percent higher, with Sweden the only country reporting production below the 5-year average.

Production in Eastern Europe is estimated to be about one-third above the 1951-55 average, with the largest percentage increases in Bulgaria, Rumania, and Yugoslavia.

In the Southern Hemisphere, cow's milk production is estimated to exceed the 1951-55 average by 20 percent, with increases in all countries reporting except Argentina.

Cow's milk: Estimates of 1961 production in important producing countries, with comparisons

Countries	Average 1951-55	Annual			1962 compared with 1961
		1960	1961	1962 1/	
	Million pounds	Million pounds	Million pounds	Million pounds	Percent
Canada	16,339	18,485	19,245	19,435	101
Mexico	3,806	5,453	5,998	6,530	109
United States	119,222	122,803	125,456	126,500	101
Austria	5,336	6,263	6,397	6,525	102
Belgium	7,771	8,579	8,702	8,825	101
Denmark	11,521	11,903	12,178	12,000	99
Finland	6,147	7,704	7,936	8,165	103
France	38,051	49,940	52,846	52,210	99
Germany, West	36,023	42,439	43,810	45,395	104
Greece	494	864	897	940	105
Ireland	5,257	6,457	6,727	7,000	104
Italy	16,663	21,270	21,485	21,055	98
Luxembourg	395	408	414	420	101
Netherlands	12,654	15,075	15,329	15,940	104
Norway	3,554	3,555	3,571	3,655	102
Sweden	9,829	8,653	8,862	8,850	100
Switzerland	5,977	6,797	6,762	6,835	101
United Kingdom	23,250	27,933	29,019	29,975	103
Bulgaria	658	1,520	1,545	1,545	100
Czechoslovakia	7,568	8,433	8,694	8,685	100
Germany, East	8,616	12,012	11,580	11,025	95
Hungary	3,180	4,280	4,200	4,100	98
Poland	20,651	27,530	28,625	28,600	100
Rumania	3,952	5,360	5,700	5,700	100
U. S. S. R.	79,080	112,500	113,000	116,000	103
Yugoslavia	2/ 3,324	5,026	4,952	5,000	101
Japan	1,613	4,160	4,661	5,310	114
Argentina 3/	10,108	9,988	9,761	9,565	98
Brazil	7,294	11,123	11,618	11,685	101
Chile	1,587	2,140	2,035	1,895	93
Uruguay	1,220	1,612	1,645	1,655	101
Venezuela	2/ 513	1,022	1,042	1,040	100
Australia	4/ 12,518	14,010	14,683	15,345	104
New Zealand 5/	11,187	11,724	11,889	12,230	103
Total of above countries	495,358	597,021	611,264	619,635	101

1/ Preliminary. 2/ Less than a 5-year average. 3/ Milk for commercial use only; milk consumed on farms and milk fed not included. 4/ Excludes milk fed to livestock. 5/ Years ending June 30.

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U. S. EXPORTS OF DAIRY BREEDING CATTLE AT RECORD LEVEL IN 1961

U. S. exports of dairy breeding cattle for 1961 as indicated by inspection certificates for export were at an alltime high, exceeding the previous year's record by 3 percent and 1959 by 73 percent.

Mexico continues to be the largest market for U. S. dairy cattle and there is continued interest in improving dairy stock in that country.

Canadian breeders increased their purchases for the fifth straight year.

Despite a substantial decline in shipments from the 1960 level, Venezuela continues to be an excellent market for U. S. dairy cattle. However, with shipments totaling 684 head, sales to Venezuela in 1961 were the lowest in 5 years. Breeders are enthusiastic about increasing shipments during 1962.

Shipments to Peru continued good in 1961 even though they did not reach the record high of 595 head imported from the United States in 1960. Plans were made for additional large imports in 1962.

Colombia is becoming a better customer for U. S. dairy cattle now that the import embargo has been lifted, and is fast becoming a market for carefully selected foundation animals.

Argentina, while not yet among the largest importers of U. S. dairy cattle, has dramatically increased its imports the past 3 years - in spite of high freight charges and unfavorable exchange rates.

Final shipments to Cuba, under commitments made before the embargo on U. S. trade with the Island, were completed in the first part of 1961.

U. S. exports of dairy cattle, by breeds, in 1961 and 1960 are shown in the following tabulation: (For a more detailed statement, see Table 1).

Breed		1960 Head	1961 Head
Holstein		8,624	9,579
Brown Swiss		2,157	1,226
Guernsey		1,289	1,186
Jersey		821	821
Ayrshire		54	544
	Total	12,945	13,356

Exports by destination

U. S. dairy breeding cattle inspected for export in 1961, by country of destination, state of origin, breed, age, and sex, together with summary data for 1960 are shown in Table 2.

Exports are summarized by principal countries of destination, calendar years 1960 and 1961, in Table 3.

Growth Through Agricultural Progress

Table 1.--Breeding cattle, dairy: Inspections for export from the United States by breed, country of destination, age, and sex, January-December 1961 with comparisons

Breed and country of destination	Male				Female				Total	
	Under 1 year	1 yr. and under 2 yrs.	2 years and over	All ages	Under 1 year	1 yr. and under 2 yrs.	2 years and over	All ages	Jan-Dec. 1961	Jan-Dec. 1960
	Head	Head	Head	Head	Head	Head	Head	Head	Head	Head
Ayrshire:										
Canada	1	1	1	3	3	3	2	8	11	3
Chile	1	1	--	2	--	--	--	--	2	--
Cuba	--	--	--	--	3	285	182	470	470	20
Ecuador	--	--	--	--	--	--	--	--	--	30
Mexico	--	58	--	58	--	--	3	3	61	--
Venezuela	--	--	--	--	--	--	--	--	--	1
Total	2	60	1	63	6	288	187	481	544	54
Brown Swiss:										
Bahamas	--	--	--	--	--	--	--	--	--	20
British Guiana	--	--	--	--	6	--	--	6	6	--
Canada	8	6	5	19	8	19	48	75	94	211
Colombia	--	6	2	8	5	4	6	15	23	54
Costa Rica	--	2	--	2	2	3	6	11	13	23
Cuba	--	--	2	2	1	73	47	121	123	528
Dominican Republic	--	--	--	--	--	1	4	5	5	16
El Salvador	11	20	1	32	4	8	--	12	44	97
Greece	20	--	--	20	59	1	2	62	82	36
Guam	2	--	--	2	--	--	--	--	2	--
Guatemala	--	--	--	--	--	--	--	--	--	24
Honduras	3	1	--	4	1	15	--	16	20	--
Iran	--	--	--	--	--	--	--	--	--	3
Italy	--	--	--	--	--	--	--	--	--	2
Mexico	8	18	6	32	15	58	52	125	157	102
Nicaragua	1	5	--	6	--	--	--	--	6	2
Panama	--	5	1	6	--	1	--	1	7	--
Paraguay	1	--	--	1	--	--	--	--	1	--
Peru	2	5	2	9	1	35	21	57	66	413
Taiwan	1	--	--	1	--	--	--	--	1	--
Venezuela	37	122	10	169	34	187	186	407	576	626
Total	94	190	29	313	136	405	372	913	1,226	2,157
Guernsey:										
Bermuda	--	--	--	--	--	1	2	3	3	12
British Honduras	--	--	--	--	--	--	--	--	--	2
Canada	13	11	16	40	56	279	668	1,003	1,043	934
Costa Rica	--	1	--	1	--	--	--	--	1	8
Cuba	--	--	2	2	--	9	58	67	69	155
Dominican Republic	--	--	--	--	--	--	20	20	20	--
Germany, West	--	--	--	--	--	--	--	--	--	40
Honduras	--	2	--	2	--	--	1	1	3	--
Mexico	1	--	2	3	--	8	31	39	42	104
So. Africa	--	--	1	1	--	--	--	--	1	--
Taiwan	1	--	--	1	--	--	--	--	1	--
Venezuela	--	1	--	1	--	1	1	2	3	20
Other countries	--	--	--	--	--	--	--	--	--	14
Total	15	15	21	51	56	298	781	1,135	1,186	1,289
Holstein:										
Argentina	7	2	2	11	48	5	20	73	84	25
Bahamas	--	1	--	1	--	--	--	--	1	--
British Guiana	--	--	--	--	119	--	--	119	119	70
British Honduras	--	--	--	--	--	--	--	--	--	45
Canada	44	21	20	85	101	184	164	449	534	300
Chile	--	3	--	3	--	--	--	--	3	--
Colombia	1	21	9	31	39	34	15	88	119	50
Costa Rica	--	4	--	4	--	--	5	5	9	--
Cuba	--	10	2	12	185	1,309	839	2,333	2,345	3,098
Dominican Republic	--	1	1	2	--	--	41	41	43	35
Ecuador	--	2	4	6	1	8	11	20	26	--
El Salvador	2	6	1	9	--	2	4	6	15	--
Germany, West	--	--	--	--	--	--	--	--	--	23
Greece	9	--	--	9	23	--	--	23	32	37
Guatemala	1	2	--	3	--	--	13	13	16	3
Haiti	2	1	--	3	--	--	--	--	3	--
Honduras	2	4	--	6	13	10	--	23	29	--
Italy	3	1	--	4	--	--	--	--	4	--
Iran	--	--	--	--	--	--	30	30	30	--
Japan	1	--	--	1	--	--	--	--	1	8
Lebanon	3	1	--	4	--	9	1	10	14	--
Mexico	37	115	15	167	70	1,860	3,850	5,780	5,947	4,476
Panama	--	4	--	4	--	--	--	--	4	--
Paraguay	15	--	--	15	--	--	--	--	15	--
Peru	7	7	5	19	1	58	6	65	84	174
Portugal	--	1	--	1	--	--	--	--	1	--
Taiwan	3	--	--	3	--	--	--	--	3	--
Uraguay	--	8	2	10	--	--	--	--	10	--
Venezuela	8	8	1	17	12	49	10	71	88	252
Other countries	--	--	--	--	--	--	--	--	--	28
Total	145	223	62	430	612	3,528	5,009	9,149	9,579	8,624
Jersey:										
Canada	8	4	4	16	8	21	72	101	117	220
Ceylon	--	--	--	--	--	13	--	13	13	--
Costa Rica	--	2	--	2	--	2	--	2	4	--
Cuba	100	--	3	103	--	244	113	357	460	478
Dominican Republic	--	1	2	3	--	--	31	31	34	4
Germany, West	--	--	--	--	--	--	--	--	--	13
Greece	--	--	--	--	--	--	--	--	--	40
India	10	4	--	14	28	11	--	39	53	--
Japan	2	1	--	3	--	--	--	--	3	--
Korea	2	--	--	2	--	19	--	19	21	--
Mexico	5	22	--	27	16	27	26	69	96	44
Paraguay	2	--	--	2	--	--	--	--	2	--
Taiwan	1	--	--	1	--	--	--	--	1	--
Venezuela	2	1	1	4	2	--	11	13	17	10
Other countries	--	--	--	--	--	--	--	--	--	12
Total	132	35	10	177	54	337	253	644	821	821
Grand Total	388	523	123	1,034	864	4,856	6,602	12,322	13,356	12,945

Table 2.--Breeding cattle, dairy: Inspection for export from the United States, by country of destination, State of origin, breed, age and sex, January thru December 1961 with comparisons

Country of destination, State of origin, and breed	Male				Female				Total	
	Under 1 year	1 yr. and under 2 yrs.	2 years and over	All ages	Under 1 year	1 yr. and under 2 yrs.	2 years and over	All ages	Jan-Dec. 1961	Jan.-Dec. 1960
	Head	Head	Head	Head	Head	Head	Head	Head	Head	Head
Argentina:										
Illinois										
Holstein..........	1	--	--	1	--	--	--	--	1	--
Maryland										
Holstein..........	2	--	--	2	--	--	--	--	2	--
New Jersey										
Holstein..........	--	--	--	--	--	--	1	1	1	--
New York										
Holstein..........	1	--	--	1	48	--	10	58	59	--
Ohio										
Holstein..........	1	--	1	2	--	--	6	6	8	--
Pennsylvania										
Holstein..........	2	1	1	4	--	--	2	2	6	--
Wisconsin										
Holstein..........	--	1	--	1	--	5	1	6	7	17
Other										
Holstein..........	--	--	--	--	--	--	--	--	--	8
Total..........	7	2	2	11	48	5	20	73	84	25
Bahamas:										
Florida										
Brown Swiss........	--	--	--	--	--	--	--	--	--	20
Holstein..........	--	1	--	1	--	--	--	--	1	--
Total..........	--	1	--	1	--	--	--	--	1	20
Bermuda:										
New York										
Guernsey..........	--	--	--	--	--	--	--	--	--	12
Pennsylvania										
Guernsey..........	--	--	--	--	--	1	2	3	3	--
Total..........	--	--	--	--	--	1	2	3	3	12
British Guiana:										
Maryland										
Brown Swiss........	--	--	--	--	6	--	--	6	6	--
Holstein..........	--	--	--	--	119	--	--	119	119	70
Total..........	--	--	--	--	125	--	--	125	125	70
British Honduras:										
Maryland										
Guernsey..........	--	--	--	--	--	--	--	--	--	2
Holstein..........	--	--	--	--	--	--	--	--	--	34
Pennsylvania										
Holstein..........	--	--	--	--	--	--	--	--	--	11
Total..........	--	--	--	--	--	--	--	--	--	47
Ceylon:										
Texas										
Jersey............	--	--	--	--	--	13	--	13	13	--
Total..........	--	--	--	--	--	13	--	13	13	--
Chile:										
Washington										
Holstein..........	--	1	--	1	--	--	--	--	1	--
Illinois										
Ayrshire..........	1	1	--	2	--	--	--	--	2	--
Holstein..........	--	2	--	2	--	--	--	--	2	--
Total..........	1	4	--	5	--	--	--	--	5	--
Colombia:										
Connecticut										
Holstein..........	1	1	1	3	--	--	1	1	4	--
Florida										
Brown Swiss........	--	--	--	--	--	--	1	1	1	5
Holstein..........	--	1	--	1	--	--	--	--	1	--
Illinois										
Holstein..........	--	6	2	8	39	24	--	63	71	32
Iowa										
Holstein..........	--	--	--	--	--	5	1	6	6	--
New Hampshire										
Brown Swiss........	--	3	--	3	4	--	--	4	7	--
New Jersey										
Brown Swiss........	--	--	--	--	1	4	5	10	10	25
New York										
Brown Swiss........	--	1	--	1	--	--	--	--	1	--
Ohio										
Brown Swiss........	--	--	--	--	--	--	--	--	--	24
Holstein..........	--	--	--	--	--	--	--	--	--	1
Texas										
Brown Swiss........	--	--	1	1	--	--	--	--	1	--
Holstein..........	--	--	--	--	--	--	--	--	--	1
Washington										
Brown Swiss........	--	2	1	3	--	--	--	--	3	--
Holstein..........	--	1	--	1	--	--	--	--	1	--
Wisconsin										
Holstein..........	--	12	6	18	--	5	13	18	36	16
Total	1	27	11	39	44	38	21	103	142	104
Canada:										
California										
Ayrshire..........	--	--	1	1	--	--	--	--	1	--
Guernsey..........	--	--	--	--	--	--	--	--	--	2
Holstein..........	--	--	--	--	1	--	1	2	2	10
Jersey............	--	--	--	--	--	--	--	--	--	2
Connecticut										
Brown Swiss........	--	--	--	--	--	2	--	2	2	--
Guernsey..........	--	--	--	--	2	36	34	72	72	--
Holstein..........	--	--	1	1	--	--	--	--	1	--
Jersey............	1	2	3	6	--	4	17	21	27	27

Table 2.--Breeding cattle, dairy: Inspection for export from the United States, by country of destination, State of origin, breed, age and sex, January thru December 1961 with comparisons--Continued

Country of destination, State of origin, and breed	Male				Female				Total	
	Under 1 year	1 yr. and under 2 yrs.	2 years and over	All ages	Under 1 year	1 yr. and under 2 yrs.	2 years and over	All ages	Jan-Dec. 1961	Jan-Dec. 1960
	Head	Head	Head	Head	Head	Head	Head	Head	Head	Head
Colorado										
Brown Swiss	3	--	--	3	1	--	--	1	4	--
Idaho										
Holstein	--	--	--	--	--	29	1	30	30	--
Jersey	--	--	--	--	--	--	1	1	1	--
Illinois										
Guernsey	--	--	--	--	--	--	19	19	19	--
Holstein	--	--	--	--	--	--	2	2	2	--
Indiana										
Guernsey	1	4	3	8	3	24	34	61	69	8
Jersey	--	--	--	--	--	--	--	--	--	28
Iowa										
Holstein	--	--	--	--	--	--	1	1	1	--
Kansas										
Holstein	--	--	--	--	--	--	--	--	--	6
Maine										
Guernsey	--	--	--	--	--	--	20	20	20	1
Holstein	--	--	--	--	7	5	--	12	12	2
Maryland										
Ayrshire	--	--	--	--	--	--	--	--	--	--
Guernsey	--	--	--	--	9	7	100	116	116	100
Holstein	--	--	--	--	--	--	2	2	2	1
Jersey	--	--	--	--	--	--	--	--	--	19
Massachusetts										
Ayrshire	--	--	--	--	2	1	--	3	3	2
Brown Swiss	1	--	--	1	--	1	2	3	4	2
Guernsey	4	--	--	4	2	7	14	23	27	31
Holstein	--	--	--	--	10	--	--	10	10	--
Michigan										
Ayrshire	1	--	--	1	--	--	--	--	1	--
Guernsey	--	--	--	--	--	6	31	37	37	33
Holstein	--	--	--	--	--	21	--	21	21	30
Jersey	--	1	--	1	--	--	4	4	5	--
Minnesota										
Brown Swiss	3	1	--	4	--	2	10	12	16	1
Holstein	6	1	1	8	8	4	4	16	24	75
Missouri										
Guernsey	--	--	--	--	--	--	2	2	2	--
Montana										
Brown Swiss	--	1	--	1	1	7	2	10	11	11
Guernsey	--	--	--	--	2	5	2	9	9	--
Holstein	2	--	--	2	4	87	70	161	163	2
New Hampshire										
Guernsey	--	--	--	--	1	17	1	19	19	--
Holstein	2	1	--	3	--	--	--	--	3	4
Jersey	--	--	--	--	--	1	--	1	1	--
New Jersey										
Brown Swiss	--	--	1	1	1	--	4	5	6	6
Guernsey	1	4	2	7	--	1	21	22	29	86
Holstein	1	1	1	3	--	4	14	18	21	4
Jersey	3	--	--	3	--	--	1	1	4	4
New York										
Brown Swiss	--	3	3	6	3	5	23	31	37	17
Guernsey	2	1	4	7	20	109	231	360	367	340
Holstein	11	8	3	22	53	2	20	75	97	19
Jersey	1	1	1	3	3	5	23	31	34	16
North Carolina										
Holstein	--	--	--	--	--	--	--	--	--	4
North Dakota										
Brown Swiss	1	--	1	2	2	2	--	4	6	47
Holstein	--	--	--	--	--	9	7	16	16	8
Ohio										
Brown Swiss	--	1	--	1	--	--	--	--	1	--
Guernsey	--	--	--	--	5	9	19	33	33	49
Holstein	--	1	3	4	1	2	3	6	10	10
Jersey	2	--	--	2	2	4	15	21	23	18
Oklahoma										
Brown Swiss	--	--	--	--	--	--	--	--	--	7
Oregon										
Holstein	--	--	--	--	--	--	3	3	3	--
Jersey	1	--	--	1	--	--	--	--	1	--
Pennsylvania										
Ayrshire	--	--	--	--	--	--	2	2	2	1
Brown Swiss	--	--	--	--	--	--	--	--	--	23
Guernsey	3	1	6	10	7	35	115	157	167	161
Holstein	18	2	4	24	13	--	1	14	38	17
Jersey	--	--	--	--	--	--	2	2	2	32
Rhode Island										
Ayrshire	--	--	--	--	1	1	--	2	2	--
Holstein	--	--	--	--	--	--	--	--	--	2
Jersey	--	--	--	--	--	--	8	8	8	16
Texas										
Holstein	--	--	5	5	--	--	--	--	5	--
Virginia										
Ayrshire	--	--	--	--	--	1	--	1	1	--
Guernsey	--	--	--	--	--	5	4	9	9	38
Washington										
Brown Swiss	--	--	--	--	--	--	1	1	1	38
Guernsey	2	1	1	4	5	18	21	44	48	85
Holstein	1	4	1	6	3	15	29	47	53	68
Jersey	--	--	--	--	--	--	1	1	1	57
Wisconsin										
Ayrshire	--	1	--	1	--	--	--	--	1	--
Brown Swiss	--	--	--	--	--	--	6	6	6	35
Holstein	3	3	1	7	1	6	6	13	20	30
Jersey	--	--	--	--	3	7	--	10	10	--
Other										
Brown Swiss	--	--	--	--	--	--	--	--	--	24
Holstein	--	--	--	--	--	--	--	--	--	8
Jersey	--	--	--	--	--	--	--	--	--	1
Total	74	43	46	163	176	506	954	1,636	1,799	1,668

Table 2.--Breeding cattle, dairy: Inspection for export from the United States, by country of destination, State of origin, breed, age and sex, January thru December 1961 with comparisons--Continued

Country of destination, State of origin, and breed	Male				Female				Total	
	Under 1 year	1 yr. and under 2 yrs.	2 years and over	All ages	Under 1 year	1 yr. and under 2 yrs.	2 years and over	All ages	Jan-Dec. 1961	Jan-Dec. 1960
	Head	Head	Head	Head	Head	Head	Head	Head	Head	Head
Costa Rica:										
Florida										
Brown Swiss........	--	--	--	--	--	--	--	--	--	1
Maryland										
Holstein...........	--	--	--	--	--	--	5	5	5	--
Massachusetts										
Guernsey...........	--	--	--	--	--	--	--	--	--	3
New Jersey										
Brown Swiss........	--	2	--	2	2	3	6	11	13	9
New York										
Guernsey...........	--	--	--	--	--	--	--	--	--	2
Jersey.............	--	2	--	2	--	2	--	2	4	--
Ohio										
Brown Swiss........	--	--	--	--	--	--	--	--	--	1
Pennsylvania										
Guernsey...........	--	1	--	1	--	--	--	--	1	--
Washington										
Holstein...........	--	--	--	--	--	--	--	--	--	1
Wisconsin										
Brown Swiss........	--	--	--	--	--	--	--	--	--	12
Holstein...........	--	4	--	4	--	--	--	--	4	--
Total............	--	9	--	9	2	5	11	18	27	29
Cuba:										
Florida										
Ayrshire...........	--	--	--	--	2	48	4	54	54	4
Brown Swiss........	--	--	2	2	--	28	7	35	37	82
Guernsey...........	--	--	--	--	--	7	1	8	8	53
Holstein...........	--	--	--	--	77	333	106	516	516	685
Jersey.............	--	--	--	--	--	73	4	77	77	86
Illinois										
Brown Swiss........	--	--	--	--	--	--	--	--	--	92
Guernsey...........	--	--	--	--	--	--	--	--	--	6
Jersey.............	100	--	--	100	--	--	--	--	100	61
Indiana										
Brown Swiss........	--	--	--	--	--	--	--	--	--	161
Guernsey...........	--	--	--	--	--	--	--	--	--	48
Holstein...........	--	--	--	--	--	--	--	--	--	1,062
Iowa										
Holstein...........	--	--	--	--	--	--	--	--	--	79
Kentucky										
Holstein...........	--	--	--	--	--	--	28	28	28	5
Jersey.............	--	--	--	--	--	--	--	--	--	47
Michigan										
Brown Swiss........	--	--	--	--	--	--	--	--	--	20
Minnesota										
Ayrshire...........	--	--	--	--	--	31	--	31	31	--
Brown Swiss........	--	--	--	--	--	--	--	--	--	94
Guernsey...........	--	--	--	--	--	--	--	--	--	8
Holstein...........	--	--	--	--	--	--	--	--	--	275
Mississippi										
Ayrshire...........	--	--	--	--	--	--	--	--	--	1
Brown Swiss........	--	--	--	--	--	--	--	--	--	1
Guernsey...........	--	--	--	--	--	--	--	--	--	1
Holstein...........	--	--	--	--	--	--	--	--	--	75
Jersey.............	--	--	--	--	--	--	--	--	--	122
Ohio										
Brown Swiss........	--	--	--	--	--	--	--	--	--	13
Tennessee										
Ayrshire...........	--	--	--	--	1	206	178	385	385	15
Brown Swiss........	--	--	--	--	1	45	40	86	86	16
Guernsey...........	--	--	2	2	--	2	57	59	61	10
Holstein...........	--	1	--	1	67	972	705	1,744	1,745	338
Jersey.............	--	--	3	3	--	171	109	280	283	223
Wisconsin										
Brown Swiss........	--	--	--	--	--	--	--	--	--	49
Guernsey...........	--	--	--	--	--	--	--	--	--	29
Holstein...........	--	9	2	11	41	4	--	45	56	518
Total............	100	10	9	119	189	1,920	1,239	3,348	3,467	4,279
Dominican Republic:										
Florida										
Brown Swiss........	--	--	--	--	--	1	4	5	5	13
Guernsey...........	--	--	--	--	--	--	20	20	20	--
Holstein...........	--	1	1	2	--	--	41	41	43	35
Jersey.............	--	--	--	--	--	--	8	8	8	--
Texas										
Brown Swiss........	--	--	--	--	--	--	--	--	--	3
Guernsey...........	--	--	--	--	--	--	--	--	--	2
Jersey.............	--	1	2	3	--	--	23	23	26	4
Total............	--	2	3	5	--	1	96	97	102	57
Ecuador:										
Illinois										
Holstein...........	--	--	--	--	1	2	5	8	8	--
Maryland										
Holstein...........	--	2	--	2	--	6	6	12	14	--
New York										
Ayrshire...........	--	--	--	--	--	--	--	--	--	30
Ohio										
Holstein...........	--	--	4	4	--	--	--	--	4	--
Total............	--	2	4	6	1	8	11	20	26	30

Table 2.--Breeding cattle, dairy: Inspection for export from the United States, by country of destination, State of origin, breed, age and sex, January thru December 1961 with comparisons--Continued

Country of destination, State of origin, and breed	Male				Female				Total	
	Under 1 year	1 yr. and under 2 yrs.	2 years and over	All ages	Under 1 year	1 yr. and under 2 yrs.	2 years and over	All ages	Jan-Dec. 1961	Jan-Dec. 1960
	Head	Head	Head	Head	Head	Head	Head	Head	Head	Head
El Salvador:										
Florida										
Brown Swiss........	--	--	--	--	--	--	--	--	--	16
Illinois										
Brown Swiss........	--	--	--	--	--	--	--	--	--	38
Maryland										
Holstein...........	1	4	--	5	--	--	2	2	7	--
Massachusetts										
Guernsey...........	--	--	--	--	--	--	--	--	--	1
Ohio										
Brown Swiss........	11	19	--	30	4	8	--	12	42	1
Holstein...........	1	2	1	4	--	2	2	4	8	--
Texas										
Brown Swiss........	--	--	--	--	--	--	--	--	--	41
Wisconsin										
Brown Swiss........	--	1	1	2	--	--	--	--	2	1
Holstein...........	--	--	--	--	--	--	--	--	--	8
Total............	13	26	2	41	4	10	4	18	59	106
ermany, West:										
Connecticut										
Jersey.............	--	--	--	--	--	--	--	--	--	11
Illinois										
Holstein...........	--	--	--	--	--	--	--	--	--	20
Indiana										
Holstein...........	--	--	--	--	--	--	--	--	--	2
Massachusetts										
Guernsey...........	--	--	--	--	--	--	--	--	--	40
Holstein...........	--	--	--	--	--	--	--	--	--	1
Jersey.............	--	--	--	--	--	--	--	--	--	1
Ohio										
Jersey.............	--	--	--	--	--	--	--	--	--	1
Total............	--	--	--	--	--	--	--	--	--	76
Greece:										
Maine										
Jersey.............	--	--	--	--	--	--	--	--	--	13
Massachusetts										
Brown Swiss........	--	--	--	--	--	--	--	--	--	1
Jersey.............	--	--	--	--	--	--	--	--	--	25
New Jersey										
Jersey.............	--	--	--	--	--	--	--	--	--	1
New York										
Brown Swiss........	20	--	--	20	59	1	2	62	82	35
Holstein...........	9	--	--	9	23	--	--	23	32	37
Pennsylvania										
Jersey.............	--	--	--	--	--	--	--	--	--	1
Total............	29	--	--	29	82	1	2	85	114	113
Guam:										
Texas										
Brown Swiss........	2	--	--	2	--	--	--	--	2	--
Total............	2	--	--	2	--	--	--	--	2	--
Guatemala:										
Florida										
Holstein...........	--	--	--	--	--	--	9	9	9	2
Illinois										
Holstein...........	1	1	--	2	--	--	1	1	3	--
Wisconsin										
Brown Swiss........	--	--	--	--	--	--	--	--	--	24
Holstein...........	--	1	--	1	--	--	3	3	4	1
Total............	1	2	--	3	--	--	13	13	16	27
Haiti:										
Massachusetts										
Holstein...........	2	1	--	3	--	--	--	--	3	--
Total............	2	1	--	3	--	--	--	--	3	--
Honduras:										
Florida										
Holstein...........	--	--	--	--	6	--	--	6	6	--
Ohio										
Brown Swiss........	--	1	--	1	--	15	--	15	16	--
Guernsey...........	--	2	--	2	--	--	1	1	3	--
Holstein...........	2	2	--	4	7	10	--	17	21	--
Texas										
Brown Swiss........	3	--	--	3	1	--	--	1	4	--
Holstein...........	--	2	--	2	--	--	--	--	2	--
Total............	5	7	--	12	14	25	1	40	52	--
India:										
Main										
Jersey.............	1	3	--	4	18	5	--	23	27	--
Massachusetts										
Jersey.............	8	1	--	9	7	2	--	9	18	--
New York										
Jersey.............	1	--	--	1	3	4	--	7	8	--
Total............	10	4	--	14	28	11	--	39	53	--
Italy:										
New York										
Holstein...........	1	1	--	2	--	--	--	--	2	--
Wisconsin										
Holstein...........	2	--	--	2	--	--	--	--	2	--
Total............	3	1	--	4	--	--	--	--	4	--

Table 2.--Breeding cattle, dairy: Inspection for export from the United States, by country of destination, State of origin, breed, age and sex, January thru December 1961 with comparisons--Continued

Country of destination, State of origin, and breed	Male				Female				Total	
	Under 1 year	1 yr. and under 2 yrs.	2 years and over	All ages	Under 1 year	1 yr. and under 2 yrs.	2 years and over	All ages	Jan-Dec. 1961	Jan.-Dec. 1960
	Head	Head	Head	Head	Head	Head	Head	Head	Head	Head
Iran:										
Tennessee										
Holstein	--	--	--	--	--	--	30	30	30	--
Total	--	--	--	--	--	--	30	30	30	--
Japan:										
California										
Holstein	1	--	--	1	--	--	--	--	1	--
Jersey	2	--	--	2	--	--	--	--	2	--
New Jersey										
Jersey	--	1	--	1	--	--	--	--	1	--
Total	3	1	--	4	--	--	--	--	4	--
Korea:										
California										
Jersey	2	--	--	2	--	19	--	19	21	--
Total	2	--	--	2	--	19	--	19	21	--
Lebanon:										
Ohio										
Holstein	3	1	--	4	--	9	1	10	14	--
Total	3	1	--	4	--	9	1	10	14	--
Mexico:										
Arizona										
Ayrshire	--	1	--	1	--	--	--	--	1	--
Brown Swiss	1	--	--	1	--	--	--	--	1	--
Guernsey	--	--	--	--	--	--	--	--	--	2
Holstein	2	--	--	2	6	7	44	57	59	48
Jersey	--	--	--	--	--	--	1	1	1	--
California										
Ayrshire	--	--	--	--	--	--	1	1	1	--
Brown Swiss	2	3	--	5	1	--	1	2	7	5
Guernsey	--	--	2	2	--	8	10	18	20	101
Holstein	13	10	5	28	56	61	997	1,114	1,142	611
Jersey	1	--	--	1	9	19	7	35	36	5
Colorado										
Holstein	--	1	--	1	--	213	295	508	509	830
Florida										
Brown Swiss	--	--	--	--	--	2	--	2	2	--
Illinois										
Brown Swiss	--	--	--	--	--	--	--	--	--	1
Holstein	--	--	--	--	--	3	127	130	130	126
Iowa										
Holstein	--	--	--	--	--	--	--	--	--	84
Minnesota										
Ayrshire	--	--	--	--	--	--	1	1	1	--
Brown Swiss	--	--	--	--	--	--	--	--	--	11
Holstein	3	5	--	8	1	530	1,364	1,895	1,903	1,097
Montana										
Ayrehire	--	39	--	39	--	--	--	--	39	--
Holstein	--	--	--	--	--	--	--	--	--	15
Jersey	--	--	--	--	--	--	--	--	--	3
New Jersey										
Brown Swiss	--	--	--	--	--	1	4	5	5	--
Jersey	1	1	--	2	--	--	--	--	2	--
New Mexico										
Brown Swiss	--	--	--	--	--	--	--	--	--	2
Guernsey	--	--	--	--	--	--	20	20	20	--
Holstein	1	2	--	3	--	--	42	42	45	57
Jersey	2	--	--	2	--	--	--	--	2	--
New York										
Holstein	2	1	--	3	--	--	--	--	3	--
Jersey	--	18	--	18	--	--	--	--	18	--
North Dakota										
Brown Swiss	2	--	--	2	1	8	--	9	11	--
Holstein	--	--	--	--	--	3	--	3	3	--
Jersey	--	--	--	--	--	1	--	1	1	--
Ohio										
Brown Swise	--	--	--	--	--	--	--	--	--	27
Holstein	--	--	--	--	--	--	--	--	--	1
Jersey	--	--	--	--	--	--	--	--	--	12
Texas										
Ayrshire	--	18	--	18	--	--	1	1	19	--
Brown Swiss	3	14	6	23	5	27	40	72	95	52
Guernsey	1	--	--	1	--	--	1	1	2	1
Holstein	7	12	4	23	1	81	300	382	405	549
Jersey	1	3	--	4	7	7	18	32	36	24
Virginia										
Holstein	--	--	--	--	--	--	--	--	--	22
Washington										
Holstein	6	5	1	12	2	1	3	6	18	--
Wisconsin										
Brown Swiss	--	1	--	1	8	20	7	35	36	4
Holstein	3	79	5	87	4	961	678	1,643	1,730	1,026
Other										
Holstein	--	--	--	--	--	--	--	--	--	10
Total	51	213	23	287	101	1,953	3,962	6,016	6,303	4,726
Nicaragua:										
Texas										
Brown Swiss	1	5	--	6	--	--	--	--	6	--
Total	1	5	--	6	--	--	--	--	6	--
Panama:										
Florida										
Brown Swise	--	2	1	3	--	--	--	--	3	--
Pennsylvania										
Holstein	--	2	--	2	--	--	--	--	2	--
Texas										
Brown Swiss	--	3	--	3	--	1	--	1	4	--
Holstein	--	2	--	2	--	--	--	--	2	--
Total	--	9	1	10	--	1	--	1	11	--

Table 2.--Breeding cattle, dairy: Inspection for export from the United States, by country of destination, State of origin, breed, age and sex, January thru December 1961 with comparisons--Continued

Country of destination, State of origin, and breed	Male				Female				Total	
	Under 1 Year	1 yr. and under 2 yrs.	2 years and over	All ages	Under 1 year	1 yr. and under 2 yrs.	2 years and over	All ages	Jan-Dec. 1961	Jan-Dec. 1960
	Head	Head	Head	Head	Head	Head	Head	Head	Head	Head
Paraguay:										
Pennsylvania										
Brown Swiss	1	--	--	1	--	--	--	--	1	--
Holstein	15	--	--	15	--	--	--	--	15	--
Jersey	2	--	--	2	--	--	--	--	2	--
Total	18	--	--	18	--	--	--	--	18	--
Peru:										
California										
Holstein	3	1	1	5	--	54	--	54	59	--
Colorado										
Brown Swiss	--	--	--	--	--	--	--	--	--	16
Connecticut										
Brown Swiss	--	--	--	--	--	--	--	--	--	4
Florida										
Holstein	1	--	--	1	--	--	--	--	1	--
Illinois										
Brown Swiss	1	--	2	3	--	2	5	7	10	43
Holstein	1	1	--	2	--	1	1	2	4	13
Maryland										
Holstein	--	--	--	--	--	--	1	1	1	--
Michigan										
Holstein	--	3	3	6	--	--	--	--	6	--
New Jersey										
Brown Swiss	1	1	--	2	--	7	12	19	21	--
Ohio										
Brown Swiss	--	4	--	4	1	4	4	9	13	126
Holstein	1	2	--	3	1	3	2	6	9	1
Jersey	--	--	--	--	--	--	--	--	--	4
Texas										
Brown Swiss	--	--	--	--	--	22	--	22	22	132
Guernsey	--	--	--	--	--	--	--	--	--	2
Holstein	--	--	--	--	--	--	--	--	--	57
Jersey	--	--	--	--	--	--	--	--	--	2
Utah										
Holstein	--	--	1	1	--	--	--	--	1	--
Washington										
Holstein	1	--	--	1	--	--	1	1	2	--
Wisconsin										
Brown Swiss	--	--	--	--	--	--	--	--	--	89
Holstein	--	--	--	--	--	--	1	1	1	101
Other										
Brown Swiss	--	--	--	--	--	--	--	--	--	3
Holstein	--	--	--	--	--	--	--	--	--	2
Total	9	12	7	28	2	93	27	122	150	595
Portugal:										
Wisconsin										
Holstein	--	1	--	1	--	--	--	--	1	--
Total	--	1	--	1	--	--	--	--	1	--
South Africa:										
Illinois										
Guernsey	--	--	1	1	--	--	--	--	1	--
Total	--	--	1	1	--	--	--	--	1	--
Taiwan:										
Wisconsin										
Brown Swiss	1	--	--	1	--	--	--	--	1	--
Guernsey	1	--	--	1	--	--	--	--	1	--
Holstein	3	--	--	3	--	--	--	--	3	--
Jersey	1	--	--	1	--	--	--	--	1	--
Total	6	--	--	6	--	--	--	--	6	--
Uruguay:										
Wisconsin										
Holstein	--	8	2	10	--	--	--	--	10	--
Total	--	8	2	10	--	--	--	--	10	--
Venezuela:										
Connecticut										
Holstein	1	2	--	3	--	--	--	--	3	--
Florida										
Brown Swiss	--	1	--	1	--	--	--	--	1	22
Holstein	4	--	--	4	10	--	--	10	14	4
Jersey	--	--	--	--	--	--	--	--	--	5
Illinois										
Brown Swiss	16	26	5	47	11	47	29	87	134	56
Holstein	--	--	--	--	--	13	--	13	13	27
Jersey	--	--	--	--	--	--	1	1	1	--
Indiana										
Brown Swiss	--	--	--	--	3	5	6	14	14	19
Iowa										
Brown Swiss	--	1	--	1	--	--	--	--	1	--
Maryland										
Brown Swiss	--	--	--	--	3	7	2	12	12	--
Jersey	--	1	1	2	--	--	--	--	2	--
Massachusetts										
Brown Swiss	--	--	--	--	--	--	--	--	--	9
Mississippi										
Ayrshire	--	--	--	--	--	--	--	--	--	1
Brown Swiss	--	--	--	--	--	--	--	--	--	72
Guernsey	--	--	--	--	--	--	--	--	--	1
Holstein	--	--	--	--	--	--	--	--	--	3
Missouri										
Brown Swiss	--	--	--	--	--	1	14	15	15	--
New Jersey										
Brown Swiss	--	1	--	1	--	1	7	8	9	--
Jersey	--	--	--	--	--	--	10	10	10	--

Table 2.--Breeding cattle, dairy: Inspection for export from the United States, by country of destination, State of origin, breed, age and sex, January thru December 1961 with comparisons--Continued

Country of destination, State of origin, and breed	Male				Female				Total	
	Under 1 year	1 yr. and under 2 yrs.	2 years and over	All ages	Under 1 year	1 yr. and under 2 yrs.	2 years and over	All ages	Jan-Dec. 1961	Jan-Dec. 1960
	Head	Head	Head	Head	Head	Head	Head	Head	Head	Head
New York										
Brown Swiss..........	--	1	--	1	--	--	7	7	8	--
Holstein.............	--	--	--	--	--	--	4	4	4	--
Ohio										
Brown Swiss..........	9	4	1	14	--	23	72	95	109	154
Holstein.............	--	--	--	--	--	--	--	--	--	86
Pennsylvania										
Guernsey.............	--	--	--	--	--	--	--	--	--	20
Tennessee										
Brown Swiss..........	--	--	--	--	--	--	10	10	10	71
Jersey...............	1	--	--	1	2	--	--	2	3	--
Texas										
Brown Swiss..........	1	34	4	39	16	43	20	79	118	27
Holstein.............	3	1	--	4	2	--	--	2	6	22
Jersey...............	1	--	--	1	--	--	--	--	1	5
Wisconsin										
Brown Swiss..........	11	54	--	65	1	60	19	80	145	179
Guernsey.............	--	1	--	1	--	1	1	2	3	--
Holstein.............	--	5	1	6	--	36	6	42	48	110
Other										
Brown Swiss..........	--	--	--	--	--	--	--	--	--	17
Total..............	47	132	12	191	48	237	208	493	684	910
Other countries										
Brown Swiss..........	--	--	--	--	--	--	--	--	--	8
Guernsey.............	--	--	--	--	--	--	--	--	--	9
Holstein.............	--	--	--	--	--	--	--	--	--	32
Jersey...............	--	--	--	--	--	--	--	--	--	2
Total..............	--	--	--	--	--	--	--	--	--	51
Grand Total........	388	523	123	1,034	864	4,856	6,602	12,322	13,356	12,945

Table 3.--Dairy cattle for breeding: U. S. inspections for export and principal destinations, calendar years 1960 and 1961

Destination	1960	1961
	Head	Head
Mexico	4,726	6,303
Cuba	4,279	3,467
Canada	1,668	1,799
Venezuela	910	684
Peru	595	150
Colombia	104	142
British Guiana	70	125
Greece	113	114
Dominican Republic	57	102
Argentina	25	84
El Salvador	106	59
India	--	53
Honduras	--	52
Others	292	222
Total	12,945	13,356

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Dairying
FD 5-62
August 1962

WORLD BUTTER AND CHEESE

PRODUCTION RISE CONTINUES

Total world butter production in 1961 is estimated at 10.8 billion pounds or 3 per cent above 1960's output of 10.5 billion pounds, and 19 percent over the 1951-55 average.

In Western Europe, 1961 milk production was higher than in 1960 and much of the increase went into dairy products, particularly butter. Output in the 16 major producing countries of this area was up 3 percent to 3.7 billion pounds. The most significant rise was in West Germany where total butter output rose from 948 million pounds in 1960 to 1,003 million pounds in 1961, a gain of 6 percent.

In France, milk production in 1961 set a new record and much of the additional milk was diverted to butter, increasing the output 3 percent to 818 million pounds.

In the United Kingdom, milk production was appreciably higher in 1961. As only moderately larger quantities were used for fluid consumption, the volume going into manufacturing was considerably above 1960. A large part of the increase in supplies used in processing went into butter, production of which rose 24 percent to 131 million pounds.

Denmark also used more milk from the higher production for manufacturing, and butter production, at 377 million pounds, was up 3 percent.

Other countries of Western Europe reporting more total butter production in 1961 were Belgium, Finland, Austria and Ireland.

On the other hand, production in the Netherlands, Sweden, Italy, Switzerland and Norway was below 1960.

In Africa, total butter production was up 12 percent and in Oceania, it was up about 2 percent.

Production in South America declined 2 percent, but in North America, 1961 output increased 8 percent over the earlier year.

Creamery butter production in 1961 in 32 countries was 8.7 billion pounds, a gain of 4 percent over 1960, and of 36 percent over the 1951-55 average.

In Western Europe, output was 4 percent above 1960. Production in West Germany, the largest producer, was up 6 percent to 952 million pounds. In Finland, less milk was used on farms and more sold to dairy plants, where it was used mainly for creamery butter which increased 3 percent over 1960 to 203 million pounds.

Milk production in Ireland in 1961 set a record. By far the largest portion of the increased milk supply was diverted to plants for butter, and production increased 6 percent to 108 million pounds.

Heavier deliveries also were reflected in higher creamery butter production in Belgium and Austria.

Less milk was available for creamery butter production in the Netherlands, Sweden, Norway and Switzerland.

Production in the U.S.S.R., the world's largest producer of creamery butter, was 1.7 billion pounds, or 6 percent above 1960 output of 1.6 billion pounds.

In Australia, creamery butter production was up 4 percent, but in New Zealand it was down about 1 percent.

Output in South America declined 5 percent from a year earlier, largely because of the smaller production in Argentina. Production in Venezuela also was down from the 1960 peak, due partly to a shift of manufacturing supplies to other uses; mainly dry whole milk. In Chile, less milk was received at plants than in 1960 and creamery butter production dropped. Output in Brazil was up.

In Canada, milk production set a record, and nearly all of the additional milk went into creamery butter. Output of the latter rose 10 percent to 356 million pounds or 5 percent over the 1958 record. In the United States, a rise of 9 percent to 1.5 billion pounds is attributed largely to greater supplies of milk available for use in processed dairy products in 1961.

Total cheese production in 32 countries in 1961 at 7.1 billion pounds, was 4 percent above 1960, and 34 percent above the 1951-55 average. In Western Europe, which accounted for more than half of total cheese manufactured in 1961, output was up 2 percent.

The largest gain was in the Netherlands. During 1961, most of the processed milk was converted into cheese, production of which increased 25 million pounds to 472 million pounds. Full cream factory cheese and farm cheese production accounted for most of the rise.

In Denmark also, much of the increase in milk production was used for cheese, increasing the latter's output 8 percent to 270 million pounds. In France, output also was up.

Total cheese output in Belgium rose about 13 percent, the result of increased support from the government in the form of direct production subsidies. The heavier production in 1961 was significant mainly for the greater volume of hard and semi-hard types; farm types also were produced in larger quantity.

In Italy, where milk production was down from the earlier year, cheese output declined slightly to 965 million pounds.

Cheese production in Oceania rose 9 percent. In South America, it was up 4 percent, and in North America, 10 percent.

Factory cheese production in 1961 in 26 countries, estimated at 4.8 billion pounds, was 7 percent above 1960 and 30 percent above the 1951-55 average.

In Western Europe, output rose 4 percent over a year ago. In most countries, the higher production was the result of increased supplies of milk for manufacturing. Only West Germany in that area reported output below the 1960 level.

Australia used more milk for factory cheese in 1961 and production at 119 million pounds was up 16 percent from a year earlier. In New Zealand, production totaled 224 million pounds and was 6 percent above 1960.

Factory cheese production in South America was up 6 percent. In North America, it was up 10 percent.

Growth Through Agricultural Progress

BUTTER: World production, average 1951-55, annual 1960 and 1961

Continent and Country	Average 1951-55		1960		1961 1/	
	Factory	Total 2/	Factory	Total 2/	Factory	Total 2/
	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds
North America:						
Canada	296	316	323	333	356	364
United States	1,327	1,525	1,373	1,435	1,494	1,546
South America:						
Argentina 3/	117	117	134	134	4/118	4/118
Brazil 4/	55	104	61	105	67	111
Chile	7	14	9	16	8	15
Colombia	--	5/18	--	26	--	30
Peru	--	4	--	6	--	6
Uruguay	8	8	6	13	6	16
Venezuela 3/	5	5	11	11	10	10
Europe:						
Austria	44	64	68	83	69	84
Belgium	88	186	114	196	123	198
Denmark	371	371	367	367	377	377
Finland	102	137	197	204	4/203	4/209
France	479	610	650	795	4/675	4/818
Germany, West	630	701	895	948	952	1,003
Greece 6/	--	17	--	24	--	24
Ireland	80	120	102	142	108	148
Italy	--	134	--	157	--	4/156
Luxembourg 3/	9	9	10	10	4/10	4/10
Netherlands	174	174	219	219	213	213
Norway	24	37	40	45	37	42
Portugal 3/	5	5	6	6	6	6
Sweden	210	215	184	186	183	185
Switzerland	52	52	77	77	71	71
United Kingdom	30	48	84	106	109	131
Bulgaria 3/	8	8	24	24	23	23
Czechoslovakia 3/	84	84	129	129	4/128	4/128
Germany, East 3/	7/317	7/317	386	386	4/353	4/353
Hungary 3/	21	21	36	36	4/34	4/34
Poland 3/	121	121	208	208	4/209	4/209
Rumania 3/	12	12	28	28	4/ 31	4/31
U.S.S.R.	830	8/1,096	1,625	1,875	1,708	1,970
Yugoslavia 6/	--	24	--	48	--	4/44
Africa:						
Kenya 3/	9	9	12	12	12	12
South Africa, Republic of	69	77	96	104	4/110	4/118
Oceania:						
Australia	368	375	415	422	432	439
New Zealand	417	429	484	497	481	494
Total	9/6,369	10/9,100	9/8,373	10/10,500	9/8,716	10/10,800

1/ Preliminary. 2/Includes farm butter. 3/ Creamery butter only. 4/ Estimated. 5/ Less than a 5-year average. 6/ Made from the milk of cows, buffalos, sheep, and goats. 7/ For 1955 only. 8/ For 1953 only. 9/ Total factory butter production in above countries. 10/ Estimated world total butter production, including countries not shown.

Foreign Agricultural Service. Compiled from reports of U. S. Agricultural Attaches and Foreign Service officers, official statistics of foreign governments, other foreign source materials, results of office research and related information.

CHEESE 1/: Production in specified countries, average 1951-55, annual 1960 and 1961

Continent and Country	Average 1951-55		1960		1961 2/	
	Factory	Total	Factory	Total	Factory	Total
	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds
North America:						
Canada	86	87	123	124	130	131
United States	1,285	1,285	1,478	1,478	1,628	1,628
South America:						
Argentina 3/	236	236	259	259	4/279	4/279
Brazil 4/	67	67	94	151	95	152
Chile	21	31	21	31	21	31
Colombia	--	5/74	--	120	--	126
Peru	--	18	--	20	--	20
Uruguay	--	14	--	20	--	16
Europe:						
Austria	28	31	50	55	57	62
Belgium	19	22	52	55	59	62
Denmark	184	184	250	250	270	270
Finland	45	45	67	67	71	71
France 6/	--	647	--	874	--	4/879
Germany, West 3/	344	344	360	360	359	359
Greece 7/	--	132	--	182	--	175
Ireland 3/	5	5	10	10	13	13
Italy 6/	--	706	--	966	--	4/965
Netherlands	342	342	425	447	448	472
Norway 8/.	65	67	87	88	88	89
Portugal 3/8/	4	4	6	6	6	6
Sweden	123	123	119	119	127	127
Switzerland 8/	115	124	152	152	153	153
United Kingdom	141	149	228	243	234	252
Bulgaria 3/9/	45	45	87	87	104	104
Czechoslovakia 3/	44	44	90	90	4/88	4/88
Germany, East 3/	10/53	10/53	82	82	4/77	4/77
Hungary 3/	10	10	27	27	4/33	4/33
Poland 3/	25	25	39	39	4/39	4/39
Rumania 3/	49	49	74	74	4/90	4/90
Africa:						
South Africa, Rep. of 3/	24	24	33	33	4/38	4/38
Oceania:						
Australia	99	99	103	103	119	119
New Zealand	229	229	212	212	224	224
Total of above countries	3,688	5,315	4,528	6,824	4,850	7,150

1/ Whole milk cheese made from cows' milk, unless otherwise noted. 2/ Preliminary. 3/ Factory cheese only. 4/ Estimated. 5/ Less than a 5-year average. 6/ Made from the milk of cows, sheep and goats. 7/ Made from the milk of cows, buffalos, sheep and goats. 8/ Made from the milk of cows and goats. 9/ Made from the milk of cows and sheep. 10/ For 1955 only.

Foreign Agricultural Service. Compiled from reports of U. S. Agricultural Attaches and Foreign Service Officers, official statistics of foreign governments, other foreign source materials, results of office research and related information.

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CLIFFORD L. HUNTINGTON JOINS FAS DAIRY AND POULTRY DIVISION

Clifford L. Huntington, of Apalachin, New York, has joined the staff of the Dairy and Poultry Division of the U. S. Department of Agriculture's Foreign Agricultural Service as a dairy and poultry products marketing specialist.

He will assist in developing and carrying forward activities and programs to help expand sales abroad of U. S. dairy and poultry products.

Mr. Huntington for the past 6 years has been a member of the Dairy Branch of the Food and Agriculture Organization of the United Nations, in Rome, Italy. In this work he was actively engaged in the joint FAO/UNICEF milk conservation program which involved establishment of dairy plants in developing countries over the world.

Before joining FAO, Mr. Huntington held positions with the Borden Company in the United States and Australia from 1949 to 1954.

He holds a B.S. degree in Dairy Technology and a M.S. degree in Agricultural Economics (Dairy Marketing) from Pennsylvania State University.

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MILK PRODUCTION AND UTILIZATION IN PRINCIPAL COUNTRIES IN 1961

Production

Milk production in 18 major producing countries in 1961 was up 3 percent compared with 1960. Production in these countries, which represents approximately 60 percent of estimated total world output, was 397 billion pounds; in 1960, it was 386 billion pounds. Milk cow numbers for the 18 countries were practically the same as in the earlier year.

In Western Europe, conditions generally were favorable for dairying during 1961, and production was up 3 percent. Italy and Switzerland were the only countries in which output in 1961 did not quite reach the 1960 level.

In France, the largest milk producing country in Western Europe, milk production at 52 billion pounds reached a new high, due primarily to more cows being milked. West Germany's production of 44 billion pounds was also a record. This represents a 3 percent increase over 1960, attributed to larger cow numbers and higher yields.

The upward trend in cow numbers in the Netherlands continued in 1961, and milk production was up 2 percent. In Denmark also, a 2 percent gain in production was attributed to an increase in dairy cow numbers.

The continued expansion in milk production in Sweden in 1961 was due to several factors; both cow numbers and output per cow were slightly higher; grazing conditions and feed crops were excellent. In Finland, good feed crops contributed to higher yields and milk production in 1961 showed an increase over 1960. In Austria, milk cow numbers were up after several years of decline, which, together with somewhat higher production per cow, brought milk production in 1961 above the 1960 level.

Substantially higher milk production in the United Kingdom was due to a larger dairy herd and generally favorable conditions. Production in Ireland set a record and was the result of unusually good pastures, a slight increase in milk cow numbers and a general improvement in farm methods and practices. Other countries reporting gains over last year were Belgium, Norway and Greece.

In Australia, milk production in 1961 rose 5 percent to 15 billion pounds and was only slightly less than the record volume produced in 1959. In New Zealand, the increase over 1960 was small, production there having been somewhat curtailed by unfavorable weather during part of the year.

In Canada, milk production reached a new high of 19 billion pounds, the result of more milk cows and greater output per cow. Production in the United States set a new record at more than 125 billion pounds.

Use

Moderately larger quantities of milk were used for fluid consumption in 1961 than in 1960. In Western Europe, where fluid consumption rose 2 percent, all countries except West Germany and Italy consumed more milk than a year ago. Both Australia and New Zealand reported larger supplies going into fluid use. Slightly more milk was utilized for this purpose in Canada, while in the United States, slightly less was used.

Milk for butter was up 5 percent. In the 14 countries of Western Europe, 4 percent more milk was used for the production of butter in 1961 than in 1960. Among these countries, only Belgium, Switzerland, and Italy reported reduced quantities of milk going into the manufacture of butter. The largest increases in supplies of milk diverted to this use were in West Germany, France and the United Kingdom.

In Oceania, about 2 percent more milk went into butter production. Both Canada and the United States used more milk for butter in 1961 than a year earlier.

Milk for cheese production increased 6 percent. In Western Europe, it was up 3 percent; Italy was the only country in which milk for cheese was less than that of a year ago.

In Australia, supplies for the manufacture of cheese were up about 15 percent; in New Zealand, they were up 6 percent.

In Canada, the quantity of milk channeled to cheese was 6 percent above 1960. The United States used about 11 percent more for this purpose.

Milk for canning increased slightly. Larger quantities went into this use in all reporting countries with the exception of Belgium, Sweden, the United Kingdom and the United States.

Factories manufacturing dry whole milk and other products took practically the same amounts of milk in both years. Western European countries reported 3 percent more milk going into these products than a year ago. Australia and New Zealand diverted more milk to this use, Canada and the United States less than in 1960.

Milk fed to livestock was 3 percent higher. In Western Europe, the overall quantity used for feed was up 3 percent. Except for Denmark, Switzerland and the United Kingdom, which reported no change from 1960, all countries in that area fed more in 1961. In Oceania, the quantity fed to livestock was up 1 percent. Canada used 8 percent more for feed, the United States about 3 percent less.

Growth Through Agricultural Progress

COWS MILK: Production and utilization in specified countries, 1961 (preliminary) and 1960

Country	Production			Utilization					
	Milk cows	Production per cow	Milk production	Fluid milk 1/	Butter	Cheese	Canned milk	Other uses 2/	Feed
	1,000 head	Pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds
1961:									
Canada	3,236	5,947	19,245	6,851	8,421	1,431	742	1,032	768
United States	17,398	7,211	125,456	58,000	32,739	14,775	5,354	12,122	2,466
Austria	1,136	5,725	6,504	2,412	1,933	503	22	443	1,191
Belgium	1,010	8,616	8,702	2,165	5,160	268	108	235	766
Denmark	1,493	8,164	12,189	1,865	7,544	1,698	3/	3/641	441
Finland	1,153	6,883	7,936	2,857	4,206	556	0	79	238
France	9,926	5,260	52,210	10,964	19,840	9,398	3/	3/2,088	9,920
Germany, West	5,901	7,424	43,810	12,255	22,042	2,615	4/2,365	4/269	4,264
Greece	393	2,282	897	497	127	100	0	0	173
Ireland	1,284	5,239	6,727	1,277	3,667	134	3/	454	1,195
Italy 5/	3,800	5,609	22,881	5,964	3,993	7,164	3/	3/117	5,643
Netherlands	1,648	9,299	15,329	2,177	4,951	4,369	2,054	1,134	644
Norway 6/	604	5,912	3,618	1,809	1,013	434	3/	3/72	290
Sweden	1,303	6,801	8,862	3,265	4,032	871	2	141	551
Switzerland 6/	940	7,193	6,821	2,459	1,222	1,809	3/	3/185	1,146
United Kingdom	4,173	6,954	29,019	19,202	3,352	2,698	953	1,063	1,751
Australia	3,163	4,642	14,683	3,247	9,272	1,232	3/	3/850	82
New Zealand 7/	1,995	5,960	11,889	1,141	8,308	1,934	3/	3/183	323
Total of above countries	60,556	--	396,778	138,407	141,822	51,989	11,600	21,108	31,852
1960:									
Canada	3,162	5,846	18,485	6,824	7,720	1,347	730	1,151	713
United States	17,543	7,000	122,803	58,800	30,405	13,329	5,461	12,258	2,550
Austria	1,127	5,558	6,263	2,407	1,896	437	13	368	1,142
Belgium	1,008	8,511	8,579	2,145	5,188	215	111	156	764
Denmark	1,438	8,277	11,903	1,828	7,330	1,579	3/	3/725	441
Finland	1,153	6,682	7,704	2,774	4,083	539	0	77	231
France	9,812	5,090	49,940	10,487	18,977	8,989	3/	3/1,998	9,489
Germany, West	5,797	7,321	42,438	12,282	21,076	2,504	4/2,187	4/269	4,120
Greece	377	2,292	864	482	120	94	0	0	168
Ireland	1,279	5,048	6,457	1,273	3,476	106	3/	3/410	1,192
Italy 5/	3,700	5,749	22,899	5,972	3,995	7,169	3/	3/211	5,552
Netherlands	1,599	9,425	15,075	2,141	4,869	4,296	2,020	1,116	633
Norway 6/	603	5,896	3,604	1,802	1,009	433	3/	3/72	288
Sweden	1,299	6,662	8,653	3,197	3,999	864	4	139	450
Switzerland 6/	940	7,231	6,861	2,448	1,332	1,774	3/	3/161	1,146
United Kingdom	4,013	6,961	27,933	18,855	2,715	2,612	977	1,023	1,751
Australia	3,244	4,319	14,010	3,133	8,933	1,068	3/	3/794	82
New Zealand 7/	1,989	5,894	11,723	1,116	8,278	1,831	3/	3/179	319
Total of above countries	60,083	--	386,194	137,966	135,401	49,186	11,503	21,107	31,031

COWS MILK: Production and utilization in specified countries, 1951-55

Country	Production			Utilization					
	Milk cows	Production per cow	Milk production	Fluid milk 1/	Butter	Cheese	Canned milk	Other uses 2/	Feed
	1,000 head	Pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds
Canada	3,114	5,247	16,339	5,927	7,501	924	677	709	601
United States	21,432	5,562	119,202	55,620	30,665	12,767	6,500	10,302	3,348
Austria	1,168	4,568	5,336	2,554	1,621	317	3/	3/11	833
Belgium	957	8,120	7,771	1,774	4,959	147	36	5	850
Denmark	1,507	7,645	11,521	1,625	7,727	1,239	3/	3/372	558
Finland	1,159	5,304	6,147	2,613	2,880	454	0	4	196
France	6,758	5,630	38,051	8,566	15,068	6,039	3/	3/568	7,810
Germany, West	5,814	6,196	36,023	12,416	16,497	2,018	957	278	3,857
Greece 8/	236	2,212	522	314	66	37	0	0	105
Ireland	1,185	4,436	5,257	1,082	2,955	63	3/	3/415	742
Italy 5/ 8/	3,832	4,869	18,660	5,433	3,281	5,820	23	40	4,063
Netherlands	1,504	8,414	12,654	3,350	3,909	3,138	1,039	461	757
Norway 6/	700	5,092	3,603	1,734	675	615	3/	3/143	436
Sweden	1,553	6,329	9,829	3,477	4,813	904	3/	3/131	504
Switzerland 6/	891	6,724	6,071	2,336	1,173	1,391	3/	3/161	1,010
United Kingdom	3,674	6,328	23,250	17,363	1,185	1,641	703	649	1,709
Australia	3,159	3,963	9/12,518	2,717	8,057	980	305	459	--
New Zealand 7/	1,953	5,728	11,187	974	7,665	2,068	3/	3/183	297
Total of above countries	60,596	--	343,941	129,875	120,697	40,562	10,240	14,891	27,676

1/ Includes milk used for cream. 2/ Includes milk used for ice cream, dried whole milk, minor products, waste and balance, unless otherwise indicated. 3/ Canned milk included with other uses. 4/ Dried milk included with canned milk. 5/ Production and utilization include sheep and goat milk. 6/ Production and utilization include goat milk. 7/ Years ending June 30. 8/ Less than a 5-year average. 9/ Excludes milk fed to calves.

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PER CAPITA CONSUMPTION OF DAIRY PRODUCTS, 1959, 1960 AND INDICATED 1961

Summary

The overall average per capita consumption of fluid milk and dairy products (whole milk equivalent basis) totaled 740 pounds in 1960. This was a gain of 7 pounds over the 733 pounds consumed in 1959 in the 17 countries for which sufficient data are available.

Per capita consumption of fluid milk and cream in 1960 remained at the 1959 level as the increase in consumption of these items was just sufficient to keep pace with growth in population. Total consumption of butter was up about 1.5 percent to 6 billion pounds, but this gain was likewise only sufficient to match the rate of population growth, and per capita use remained at 12.8 pounds, the same as the year before. Cheese consumption, both total and per capita, was substantially higher in 1960. Canned milk consumption was about the same as in 1959, while total dried milk consumption was up about 6 percent.

Ireland remained the leading per capita user of dairy products in 1960 with a whole milk equivalent consumption of 1,448 pounds. However, this was down 54 pounds from the 1,502 pounds consumed in 1959. Finland ranked second with 1,336 pounds and New Zealand was the third largest per capita consumer, with 1,320 pounds. Consumption in the remaining countries did not vary significantly from the year before (see table 1).

Finland continued to rank first in per capita consumption of fluid milk and cream; New Zealand was again the leading consumer of butter. Italy became the leading consumer of cheese in 1960, displacing France and Norway which were the number one and number two consumers, respectively, in 1959. Canada and the United States continued to rank first and second, respectively, in per capita use of canned (evaporated and condensed) milk. Belgium and Canada remained the leading consumers of dried milk (see table 2).

Milk Production

Total milk production in the 17 countries amounted to 387 billion pounds in 1960, compared with 373 billion in 1959. An increase in total output was reported by 13 countries resulting in an average per capita production of fluid milk of 831 pounds, compared with 814 pounds in 1959. In France, the United Kingdom, and West Germany total production increased by 10, 9, and 4 percent, respectively. The United States reported an increase of 2 percent, the first gain in milk production since 1956.

Consumption of Dairy Products, Milk Equivalent Basis, 1960

Total consumption of fluid milk and dairy products in 1960, on a whole milk equivalent basis in the 17 countries was up 2.4 percent from 1959. This was more than sufficient to offset the increase in population. Increased use of cheese accounted for a gain of nearly 3 billion pounds, whole milk equivalent, and butter for about 2.5 billion of the 8 billion pound increase in total use of dairy products.

Per Capita Consumption

Fluid Milk: The per capita consumption of fluid milk in the 17 reporting countries was 321 pounds, about the same as in 1959. Nine countries reported declines in per capita use, seven reported increases from the previous year and one reported no change. France reported a substantial increase in 1960, up 18 pounds over 1959. Other countries which reported increases were the United Kingdom, Australia, Ireland, Finland, Norway, and New Zealand. The most pronounced declines were in Switzerland, the Netherlands, and Denmark where per capita use dropped 12, 10, and 9 pounds, respectively, from 1959. The United States and Canada also reported declines in per capita use, 1 and 6 pounds, respectively.

Butter: Total consumption in 1960 increased about 1.5 percent to 6 billion pounds, while average per capita use at 12.8 pounds was about unchanged from the previous year. Eight countries reported increases in per capita consumption and nine reported declines.

The increase in total consumption of butter was due mainly to gains in Western Europe. Although on a country-by-country basis, gains and losses in per capita use in the area were about evenly divided, increases in the more populous countries, West Germany, Italy, and France were more than sufficient to offset declines in the United Kingdom and the smaller countries of Belgium and Sweden.

In West Germany, the sharp increase in domestic production coupled with sizable stocks of imported butter on hand at the beginning of the year caused a substantial decline in butter prices. The combined effects of lower priced butter and virtually full employment in that country resulted in a gain in consumption of a little over a pound per person. In Italy larger supplies of butter were available from increased domestic output and substantially larger imports and prices were relatively stable. The slight gain in France was largely attributable to the return to a more normal pattern of factory production of butter which had been disrupted in some areas during 1959 due to effects of the severe drought. Significant gains in consumption in the Netherlands and Norway were brought about by action on the part of the governments authorizing changes in consumer subsidies on domestic sale of certain types of butter. Promotional work on the part of the dairy industries in the two countries also helped to increase domestic sales of dairy products.

Other countries reporting increased per capita use were Switzerland, Finland, New Zealand, and Australia. In general, gains in these countries were due mainly to the availability of larger supplies at stable or slightly reduced prices.

Butter consumption declined in the United Kingdom for the second successive year. This decline was to some extent surprising as butter prices in 1960 averaged somewhat lower than in 1959. However, prices at the beginning of 1960 were at or near the peak reached in late 1959 and the lag in consumer response to the drop in butter price during the early months was an important factor in the decline in per capita use. There was a noticeable rise in consumption in the U. K. during the last quarter of 1960 when prices fell to very low levels.

Continuance of the high support price for butter in Canada and the resultant butter-margarine price spread, in favor of margarine, caused per capita use of butter in that country to decline for the third consecutive year. In the United States the downward trend in consumption of butter, in evidence for several years, continued through 1960.

Cheese: Consumption of cheese registered another substantial gain. Thirteen countries reported increases in per capita use, three countries showed no change from the previous year and only one country, France, reported a decline.

Italy reported the most significant gain in per capita use with an increase of 2.1 pounds over 1959. This sharp gain was attributed to a substantial increase in cheese production, resulting from a larger supply of milk available for manufacturing use, and to government assistance in promoting increased consumption of milk and cheese.

In the United States and Canada, cheese consumption in 1960 continued to show a small but steady upward trend.

Condensed and Evaporated Milk: Total consumption of canned milk (including canned skim milk) in the 12 countries for which sufficient information was available, totaled 5.4 billion pounds in 1960, about the same as the year before. Five countries reported increases in per capita use and five showed declines. The remaining two countries reported per capita use unchanged from 1959.

On a per capita basis the Netherlands and West Germany showed the most pronounced increase in 1960, 2.5 and 1.8 pounds per person, respectively. Although Canada and the United States showed declines on a per capita basis, the two countries retained their number one and two positions as leading consumers of canned milk.

Dried Milk: Total consumption of dried milk (including dried skim) increased 6 percent in 1960 to 2.3 billion pounds. Increases were shown in 11 of the 14 reporting countries. In West Germany consumption was unchanged from the previous year and the United Kingdom and Canada reported declines in per capita use. The most notable increases in per capita use took place in Sweden, Switzerland, and Australia, up 2.5 pounds, 1.3 and 1.1 pounds per person, respectively.

Indications for 1961

Preliminary indications point to a sizable increase in total consumption of dairy products in 1961. This increase was not uniformly distributed throughout the major producing and consuming countries, but sizable gains in most countries were more than sufficient to offset moderate declines in others. Preliminary data for 1961 show that butter production was up about 5 percent. Output of cheese and other principal manufactured dairy products were also higher.

Butter consumption in the United Kingdom appears to have been at a post war record high. In addition to the sharp increase in domestic output, imports of butter were up about 4 percent over the level of 1960. The record rate of consumption is all the more noteworthy because butter prices throughout 1961 were significantly above the record low prices which prevailed during most of 1958, the previous post war record consumption year. Consumption gains were also reported in West Germany, Italy, and Denmark. In France consumption appears to have held about unchanged from 1960.

As in the previous year, consumption in North America (the United States and Canada), total and per capita, was down. U. S. consumption at 7.4 pounds per person was down for the third successive year. Canada reported per capita use at about 15 pounds, a decline of 2.5 pounds per person, the fourth successive sharp drop in consumption in that country.

World cheese consumption continued to rise. Increases in the United States and such countries as the United Kingdom, West Germany, Italy, and France contributed to a significant gain in the utilization of this product. In the United States per capita use was 8.5 pounds per person, a record high and the fourth successive year in which per capita use of this product has gained. In West Germany total consumption appears to have increased sufficiently to assure another increase in per capita use, the seventh successive gain in that country. Gains in France and Italy are notable because, on a per capita basis, these two countries are normally ranked as the leading cheese consuming countries.

Total fluid milk and cream consumption in 1961 showed little change from the previous years. Due to increased population, per capita use was off slightly from 1960.

World consumption of canned milk was about equal to 1960. While output in the Netherlands, France, and West Germany was up somewhat over the previous year, production in the United States and the United Kingdom was down. Although there was a slight net gain in total supply, the increase was not sufficient to offset the rate of population growth.

World consumption of dried milk showed only a slight gain in 1961. Greatly increased supplies of nonfat dry milk were available in France, West Germany, and the United Kingdom. Despite a substantial gain in output, total U. S. consumption of nonfat was only fractionally above 1959 and per capita use was off slightly for the first time in several years.

TABLE 1.--MILK AND DAIRY PRODUCTS: Per capita production and consumption 1/ in 17 countries, 1959 and 1960 2/

Country	Production of fluid milk		Consumption											
			Total consumption in milk equivalent 3/		Fluid milk and cream		Butter		Cheese		Canned milk		Dried milk	
	1959	1960	1959	1960	1959	1960	1959	1960	1959	1960	1959	1960	1959	1960
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounde	Pounds	Pounds	Pounds
Austria 4/	927	939	657	647	351	334	9.9	10.0	6.0	6.6	0.6	0.7	1.2	1.6
Belgium	909	937	933	896	228	226	21.2	19.7	13.6	13.8	6.2	6.0	8.9	9.7
Denmark	2,631	2,597	984	974	389	380	23.5	23.4	17.6	18.1	5/	5/	5/	5/
Finland	1,643	1,712	1,313	1,336	608	616	32.6	33.0	5.3	6.1	5/	5/	1.9	2.2
France 6/	1,010	1,107	837	853	221	239	16.9	17.0	19.0	18.3	3.2	3.3	2.3	2.8
Germany, West	770	793	777	806	243	242	17.5	18.6	12.3	12.4	14.1	15.9	4.5	4.5
Ireland	2,219	2,307	1,502	1,448	452	460	40.4	37.8	2.8	2.8	5/	5/	2.0	2.9
Italy 6/	449	465	352	389	121	121	3.6	4.4	18.2	20.3	0.5	0.6	5/	5/
Netherlands	1,246	1,314	695	725	274	264	8.9	10.5	16.1	16.1	15.2	17.7	7/2.4	7/2.7
Norway 4/	966	1,009	850	893	505	514	7.9	8.4	18.6	18.8	5.1	5/	5/	5/
Sweden	1,125	1,155	1,068	1,038	431	427	22.8	21.4	16.5	16.7	1.2	1.2	4.2	6.7
Switzerland 4/	1,262	1,271	988	1,007	469	457	14.3	15.0	17.4	18.0	3.1	3.1	5.0	6.3
United Kingdom	493	533	838	835	341	344	18.8	18.1	9.4	10.3	6.7	6.6	5.4	4.8
Australia	1,466	1,369	957	966	304	307	25.8	26.2	6.4	6.4	10.6	10.3	5.5	6.6
New Zealand 8/	5,094	4,963	1,311	1,320	464	470	43.3	43.4	6.5	6.7	5/	5/	9/3.2	9/3.8
Canada	1,043	1,025	907	894	383	377	18.2	17.7	6.1	6.3	19.0	18.9	7.1	6.9
United States 10/	699	692	666	653	11/392	11/391	7.9	7.5	8.1	8.4	18.7	18.3	6.5	6.6

1/ Whole milk equivalent consumption of fluid cream and ice cream included with fluid milk. 2/ Preliminary. 3/ Fluid milk and dairy products in terms of whole milk equivalent. 4/ Includes goat milk. 5/ Not available, or not reported separately. A nominal figure for these two items has been included in total milk equivalent. 6/ Includes sheep and goat milk. 7/ Whole dried milk only. 8/ Years ending June 30. 9/ Skim dried milk only. 10/ Per capita consumption data as reported by Economic Research Service, USDA. 11/ Includes milk equivalent for other dairy products consumed; e.g., dry cream, malted milk, dry ice cream mix, etc.

TABLE 2.--MILK AND DAIRY PRODUCTS: Relative position of 17 countries in per capita production and consumption, 1959 and 1960 1/

Country	Production of fluid milk		Consumption											
			Milk equivalent 2/		Fluid milk and cream		Butter		Cheese		Canned milk		Dried milk	
	1959	1960	1959	1960	1959	1960	1959	1960	1959	1960	1959	1960	1959	1960
Ireland	3	3	1	1	5	4	2	2	17	17	3/	3/	12	10
Finland	4	4	2	2	1	1	3	3	16	16	3/	3/	13	13
New Zealand	1	1	3	3	4	3	1	1	12	12	3/	3/	9	9
Sweden	8	8	4	4	6	6	6	6	6	6	11	10	8	3
Switzerland	6	7	5	5	3	5	12	12	5	5	10	9	6	6
Denmark	2	2	6	6	8	8	5	5	4	4	3/	3/	3/	3/
Australia	5	5	7	7	12	12	4	4	13	14	5	5	4	5
Belgium	13	13	8	8	15	16	7	7	8	8	7	7	1	1
Canada	9	10	9	9	9	9	9	10	14	15	1	1	2	2
Norway	11	11	10	10	2	2	15	15	2	2	8	3/	3/	3/
France	10	9	12	11	16	15	11	11	1	3	9	8	11	11
United Kingdom	16	16	11	12	11	10	8	9	10	10	6	6	5	7
Germany, West	14	14	13	13	14	14	10	8	9	9	4	4	7	8
Netherlands	7	6	14	14	13	13	14	13	7	7	3	3	10	12
United States	15	15	15	15	7	7	16	16	11	11	2	2	3	4
Austria	12	12	16	16	10	11	13	14	15	13	12	11	14	14
Italy	17	17	17	17	17	17	17	17	3	1	13	12	3/	3/

1/ Derived from TABLE 1.
2/ Fluid milk and dairy products in terms of whole milk equivalent.
3/ Not available.

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WORLD OUTPUT OF DAIRY PRODUCTS ROSE IN 1961

Overall world production of manufactured dairy products (milk equivalent-fat basis) in the principal dairy countries increased in 1961, compared with 1960.

In Western Europe, where conditions generally were favorable for dairying, all countries reported milk production at or above the 1960 level. In France, milk production reached a record high, due primarily to more cows milked. In West Germany, higher cow numbers and milk yields increased production.

Despite lower yields in the Netherlands, the upward trend in cow numbers continued in 1961, and milk production was above that of 1960. Larger cow numbers and generally favorable conditions resulted in substantially increased milk production in the United Kingdom.

In Australia, milk production was above 1960 and only slightly below the 1959 record. Output in New Zealand exceeded that of 1960, despite a falling off in production because of adverse weather at the end of the year.

In Canada, favorable weather, abundant forage, higher cow numbers and heavier yields resulted in milk production above a year earlier. Milk production in the United States was a record, due entirely to increased yields.

Creamery butter output rose 5 percent during 1961, compared with the preceding year. Production in Western Europe was up 4 percent. Larger supplies from the increased milk production in Denmark were diverted to butter, production of which was 3 percent above a year ago.

In West Germany, less milk was used on farms and sales for fluid consumption were down. Of the larger amounts thus made available for processing, increased quantities went into butter, output of which was up 6 percent. A rise of 5 percent was reported by France. Increased availability of milk for manufacturing contributed to the larger butter production in Ireland and the United Kingdom.

Output declined in the Netherlands, Norway and Switzerland, where more milk went into other dairy products. In Sweden, output was practically the same as in 1960.

In Australia, much of the increased milk production was used for butter. In New Zealand, lower butter output in the early months kept production for the entire year slightly below 1960.

Nearly all of the additional milk produced in Canada was used for butter, production of which increased 10 percent to a record level. In the United States, much of the gain in milk output went into butter.

Cheese production in factories during 1961 increased 7 percent over the preceding year, with all of the reporting countries showing output above that of the earlier year. In 7 countries of Western Europe, output was up 3 percent.

Part of the larger milk supply in Denmark was used for cheese and output was up 8 percent to record levels. Increased availability of milk for cheese also resulted in a record production in the Netherlands.

Output in Australia was considerably above 1960. In New Zealand, cheese production continued to increase.

Output in Canada was up 7 percent, the highest in several years. In the United States, production increased 10 percent to set a record.

Production of canned milk (condensed and evaporated) was up 1 percent over 1960. Both West Germany and the Netherlands reported substantial increases in total canned milk production. In France, where canned milk output has been rising steadily for several years, production in 1961 showed another marked increase. In the United Kingdom, the only other major producer of canned milk in Western Europe, output declined.

Output of all types of canned milk was up in Australia during 1961.

In Canada, total canned milk production set a record. Reduced output of evaporated milk accounted for the decline in overall canned milk production in the United States.

Dried milk production, mostly nonfat dry milk, increased 9 percent in 1961, compared with 1960. Total output for the 7 countries of Western Europe reporting showed a gain of 13 percent over 1960. Only in the Netherlands was total dried milk production down, the decline there being due to a sharp drop in the manufacture of dried whole milk.

In Australia, total dried milk production increased due to the larger output of dry whole milk. There was no change from 1960 in the output of nonfat dry milk.

New Zealand reports only the manufacture of nonfat dry milk, output of which was down in 1961.

In both Canada and the United States, total dried milk production increased substantially, due entirely to the record output of nonfat dry milk.

Conditions Abroad

West Germany: Milk production is expected to rise further during 1962. Most of the increase will go into butter production and the country will be about self-sufficient in butter during the summer and fall months.

Denmark: During 1962, milk production probably will decline slightly. Ample supplies of dairy products on the European markets will tend to keep prices of these products at a low level, a factor which should have a restraining influence on milk production. Supplies of domestically-produced feed may also be less plentiful than during the past year.

Ireland: Indications are that the upward trend in milk production will continue through 1962.

Switzerland: With cow numbers maintained at a high level, an abundant hay crop, and with prospects for a favorable new fodder growing season, milk production is expected to increase.

Sweden: Output of milk is expected to continue well above a year ago, at least during the first half of 1962.

FACTORY DAIRY PRODUCTS: Output in Principal Producing and Exporting Countries, 1960, and 1961 (Preliminary)

	BUTTER						
	1960		1961		ANNUAL		
Country	January through June	July through December	January through June	July through December	1960	1961	1961 compared with 1960
	Thousand pounds	Thousand pounds	Thousand pounds	Thousand pounds	Thousand pounds	Thousand pounds	Percent
Canada	151,214	172,154	157,867	197,600	323,368	355,467	110
United States	782,892	589,984	816,255	678,085	1,372,876	1,494,340	109
Belgium	--	--	--	--	113,870	122,787	108
Denmark	199,075	168,432	194,446	182,761	367,507	377,207	103
Finland	101,604	95,510	101,684	1/101,741	197,114	1/203,425	103
France	223,425	244,909	244,928	245,748	468,334	490,676	105
Germany, West	471,969	423,158	502,822	448,994	895,127	951,816	106
Ireland	38,674	62,832	46,301	61,780	101,506	108,081	106
Netherlands	117,643	101,399	111,434	101,449	219,042	212,883	97
Norway	25,765	14,070	23,404	14,015	39,835	37,419	94
Sweden	95,566	88,381	89,609	93,838	183,947	183,447	100
Switzerland	43,755	33,185	36,616	34,372	76,940	70,988	92
United Kingdom	47,264	35,616	60,076	48,564	82,880	108,640	131
Argentina	74,309	59,075	69,508	1/48,072	133,384	1/117,580	88
S. Africa,Rep.of	46,705	49,484	53,874	--	96,189	--	--
Australia	172,352	242,400	159,331	272,980	414,752	432,311	104
New Zealand	182,618	301,068	178,340	302,649	483,686	480,989	99
	CHEESE						
Canada 2/	48,652	61,720	49,622	68,312	110,372	117,934	107
United States	778,302	699,618	874,950	753,590	1,477,920	1,628,540	110
Denmark	136,245	113,757	143,079	126,544	250,002	269,623	108
France	376,438	365,408	375,611	371,435	741,846	747,046	101
Netherlands	219,248	205,900	228,258	219,915	425,148	448,173	105
Norway	48,601	38,216	49,135	38,892	86,817	88,027	101
Sweden	65,927	52,919	64,636	62,455	118,846	127,091	107
Switzerland	69,957	81,940	71,379	82,061	151,897	153,440	101
United Kingdom 3/	129,472	114,016	148,512	103,488	243,488	252,000	103
Argentina	130,671	127,979	140,044	1/139,116	258,650	1/279,160	108
S. Africa,Rep.of	15,246	17,747	16,752	--	32,993	--	--
Australia	37,461	65,093	39,276	79,894	102,554	119,170	116
New Zealand	78,171	133,603	87,029	137,126	211,774	224,155	106
	CANNED MILK						
Canada 4/	172,781	163,960	175,799	169,137	336,741	344,936	102
United States 5/	1,176,547	1,068,550	1,215,695	973,965	2,245,097	2,189,660	98
France	142,913	74,650	125,847	104,236	217,563	230,083	106
Germany, West	459,543	370,981	442,388	419,569	830,524	861,957	104
Netherlands	415,556	436,456	436,637	463,951	852,012	900,588	106
United Kingdom	263,872	153,216	246,848	159,712	417,088	406,560	98
Argentina	13,016	8,968	11,900	1/11,640	21,984	1/23,540	107
Australia 6/	60,970	88,460	60,594	95,033	149,430	155,627	104
	DRIED MILK 7/						
Canada 8/	103,152	114,646	111,193	127,458	217,798	238,651	110
United States 8/	1,157,163	785,129	1,194,110	928,050	1,942,292	2,122,160	109
Belgium	--	--	--	--	90,345	148,127	164
France	--	--	--	--	210,637	239,616	114
Germany, West	122,634	80,090	130,212	94,582	202,724	224,794	111
Netherlands	155,387	78,144	136,355	92,734	233,531	229,089	98
Sweden	32,674	23,162	31,836	30,230	55,836	62,066	111
Switzerland	13,391	26,292	11,529	34,547	39,683	46,076	116
United Kingdom	109,536	78,400	118,496	86,240	187,936	204,736	109
Argentina	14,845	19,340	16,073	1/12,032	34,185	1/28,105	82
Australia	47,683	80,313	46,259	86,474	127,996	132,733	104
New Zealand 9/	35,945	70,569	25,314	1/72,880	106,514	1/98,194	92

1. Estimated. 2. Cheddar cheese only. 3. Total cheese production. 4. Both bulk and case goods. 5. Evaporated whole and condensed whole case goods only. 6. Includes mixtures of full cream and skim milk, mixtures of full cream, skim and buttermilk, and "coffee and milk." 7. Dried whole milk and nonfat solids production. 8. Includes dried milk for animal feeding. 9. Nonfat dry milk production only.

Foreign Agricultural Service. Compiled from reports of U. S. agricultural Attaches and Foreign Service officers, official government statistics, results of office research and related information.

DRIED MILK: Output in Principal Producing and Exporting Countries, 1960 and 1961 (Preliminary)

Product and country	Total 1960	Total 1961	1961 compared with 1960
	1,000 pounds	1,000 pounds	Percent
Dried whole milk:			
Canada	45,829	25,622	56
United States	97,998	82,960	85
Belgium	19,233	30,463	158
France 1/	210,637	239,616	114
Germany, West	31,065	40,399	130
Netherlands	117,884	87,395	74
Sweden	19,019	18,902	99
Switzerland 1/	39,683	46,076	116
United Kingdom	58,464	59,808	102
Australia	42,724	47,600	111
Nonfat dry milk:			
Canada 2/	171,969	213,029	124
United States 3/	1,844,294	2,039,200	111
Belgium	71,112	117,664	166
Germany, West	171.659	184,395	107
Netherlands	115,647	141,694	122
Sweden	36,817	43,164	117
United Kingdom	129,472	144,928	112
Australia	85,272	85,133	100
New Zealand	2/106,514	98,194	92

1/ Total dried milk production. 2/Approximately 1.8 to 2.0 million pounds of animal feed included in production data. 3. Includes dry milk for animal feeding.

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